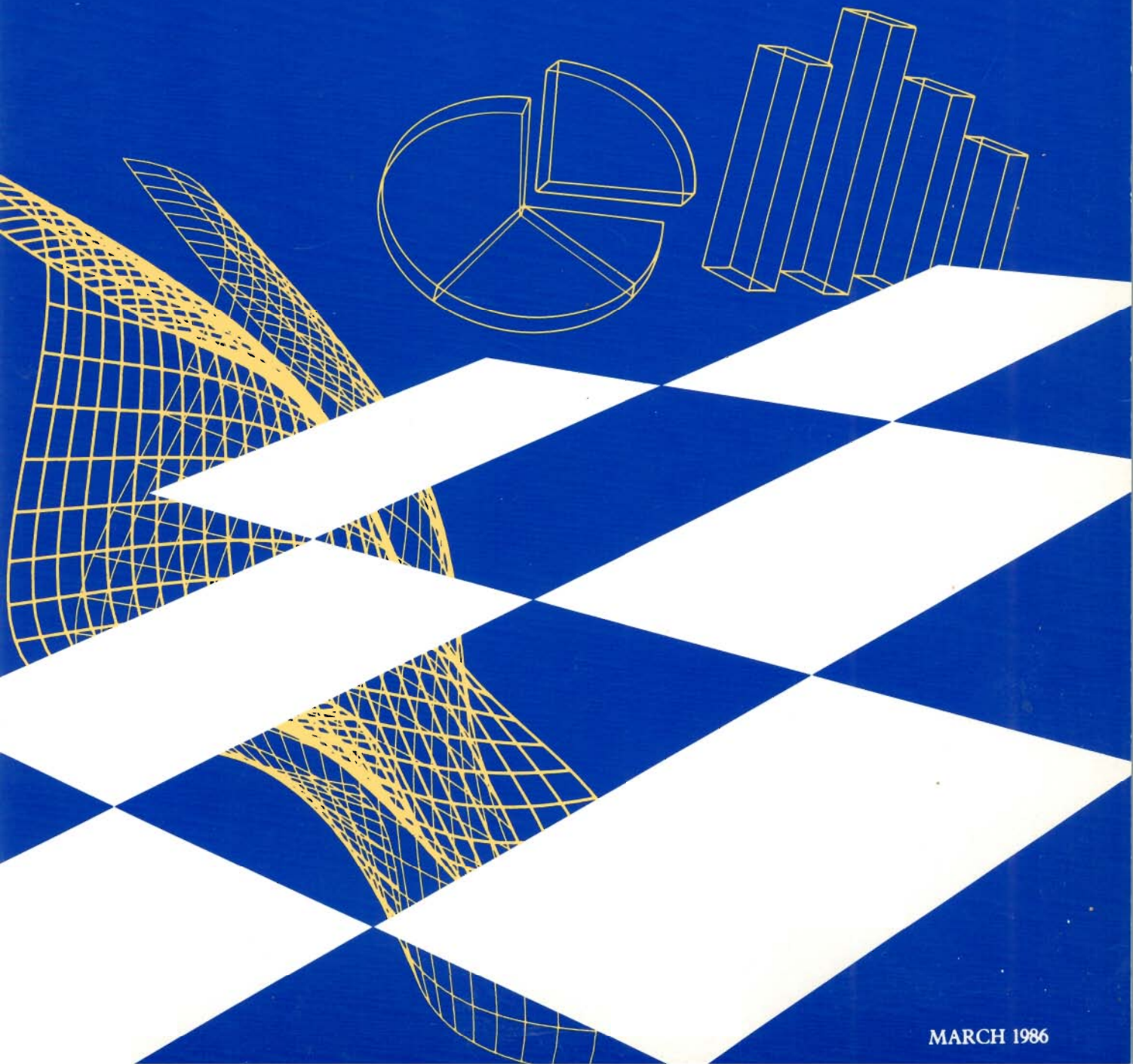


HEWLETT-PACKARD

software directory
for HP graphics plotters



MARCH 1986

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

As We Went to Press . . .

UPDATE:
VECTRA PC SOFTWARE SUPPORT

The new Vectra PC is designed to run off-the-shelf software for the IBM AT. This list is a summary of software products listed in this directory that had been tested on the Vectra PC at press time. The Vectra PC is a new product and this list is growing rapidly. Look for the "Vectra PC Tested Software and Accessories List" published bi-monthly by Hewlett-Packard for the latest information.

Definition of Terms Used

Supported: Software in this category receives Hewlett-Packard support. Specifically, HP is responsible for engineering, documentation, marketing, distribution and dealer support.

Verified: These are applications which have been tested — either by one of the several HP divisions involved in the Vectra PC, by an HP field office, or by an independent software vendor under HP's guidance. For all of these products, engineering and support are vendor-dependent and vendor-supplied. HP does not provide support for products in this category.

Package	Company	Status	Page
1-2-3, Release 1A	Lotus Development Corp.	HP Supported	1-3
1-2-3, Release 2	Lotus Development Corp.	HP Supported	1-5
ANVIL-1000MD	Manufacturing & Consulting Services, Inc.	HP Verified	9-6
ASYST	Macmillan Software Company	ISV Verified	7-3
AutoCAD	Autodesk, Inc.	ISV Verified	9-8
CADKEY	Micro Control Systems, Inc.	HP Verified	9-10
Chart-Master	Decision Resources, Inc.	HP Verified	2-9
COGO-80/86	Civilsoft	ISV Verified	10-5
COGO-PC	Civilsoft	ISV Verified	10-6
CONTOUR	Civilsoft	ISV Verified	5-5
Design Board Professional	MEGA CADD, Inc.	HP Verified	9-18
Diagraph	Computer Support Corp.	HP Verified	3-4
EARTHWK	Civilsoft	ISV Verified	10-8
Executive Picture Show	PC Software	HP Verified	2-19
Framework II	Ashton-Tate	HP Verified	1-11
GEM Draw	Digital Research, Inc.	HP Verified	2-24
Graphwriter	Graphic Communications, Inc.	HP Verified	2-31
Logic DesignStation	Hewlett-Packard Company	HP Supported	9-32
MiCAD	EEsof, Inc.	HP Verified	9-35
Microsoft Chart, Version 2	Microsoft Corp.	HP Verified	2-41
Microsoft Windows	Microsoft Corp.	HP Verified	11-17
Open Access	Software Products Int'l	HP Verified	1-13
OSLO, Super-Oslo	Sinclair Optics, Inc.	HP Verified	9-36
PC/FOCUS	Information Builders, Inc.	ISV Verified	1-14
PFS:GRAPH	Software Publishing Corp.	HP Verified	2-46
Picture Perfect	Computer Support Corp.	HP Verified	2-48
PLOT88	PLOTWORKS, Inc.	HP Verified	11-19
Primavision	Primavera Systems, Inc.	HP Verified	4-8
Smart Software System	Innovative Software, Inc.	HP Verified	1-15
SuperCalc ³	Computer Associates Int'l, Inc.	HP Verified	1-16
Symphony, Release 1.0	Lotus Development Corp.	HP Supported	1-17
Symphony, Release 1.1	Lotus Development Corp.	HP Supported	1-19
TextCharts	Hewlett-Packard Company	HP Supported	3-14
Touchstone	EEsof, Inc.	ISV Verified	9-42
VersaCAD	T & W Systems, Inc.	HP Verified	9-43
VUE	National Information Systems, Inc.	HP Verified	4-11



SOFTWARE DIRECTORY

FOR
HEWLETT-PACKARD
GRAPHICS PLOTTERS

FOR HP AND NON-HP COMPUTERS

A note concerning software listed in this brochure

This brochure contains software developed by Hewlett-Packard, software developed by independent vendors for HP computer systems, and software developed by independent vendors for non-HP computer systems.

Except as otherwise agreed in writing with Hewlett-Packard, Hewlett-Packard disclaims any liability in connection with the software products developed by independent vendors for HP computers.

For software developed by independent vendors for non-HP computers, data is supplied for information purposes only and was provided by the suppliers listed, who are solely responsible for all software and support offered. Nothing concerning these products shall be construed to constitute an endorsement by Hewlett-Packard of any product, service, or supplier described. Hewlett-Packard Company is not a manufacturer, co-developer, partner, joint venturer, agent, or in any way responsible for the software or support indicated.

FOR ALL PRODUCTS DEVELOPED BY INDEPENDENT VENDORS, HEWLETT-PACKARD SPECIFICALLY DISCLAIMS ANY AND ALL WARRANTIES, WRITTEN AND ORAL, EXPRESS OR IMPLIED, WITH RESPECT TO THIS SOFTWARE, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE.

For all software, customers are solely responsible for determining the suitability of any software to fulfill their needs, and for selection of the product and service.

1-2-3 and Symphony are trademarks of Lotus Development Corporation. Context MBA is a trademark of Context Management Systems. dBASE II and III are trademarks of Ashton-Tate. Microsoft and Multiplan are registered trademarks of Microsoft Corporation. MS is a trademark of Microsoft Corporation. UCSD Pascal and UCSD p-system are trademarks of the Regents of the University of California. UNIX is a trademark of AT&T Bell Laboratories. VisiCalc is a registered trademark of VisiCorp.

Table of Contents

How to Use This Directory	iii
Package Listing by Application	v
Package Listing by Computer	ix
Software Packages (Listed by Application)	
Integrated/Multi-Function	1-1
<i>Packages that have a combination of applications such as word processing, spreadsheet, and graphics</i>	
Presentation Graphics	2-1
<i>Packages that are primarily used for creating pie, bar, and line charts</i>	
Text & Symbols	3-1
<i>Packages that create text charts, organization charts, and flow diagrams</i>	
Project Management	4-1
<i>Packages that plot project schedules, event planning, and project status reports</i>	
Mapping	5-1
<i>Packages that have mapping capabilities which produce contour maps, map boundaries, and map-projection transformations</i>	
Statistical Analysis	6-1
<i>Packages that plot charts for statistical data analysis such as standard deviation, regressions, and distributions</i>	
Scientific Analysis	7-1
<i>Packages that create charts tailored for scientific applications</i>	
Architectural Design	8-1
<i>Packages for architectural applications such as drawing floor plans and creating building layouts</i>	
CAD/CAM/CAE	9-1
<i>Packages for computer-aided design, manufacturing, and engineering applications that help with part design, schematics, or modeling in 2D and 3D</i>	
Engineering	10-1
<i>Packages primarily for civil engineering that aid in land surveying, geological plotting, and civil planning</i>	
Other Applications	11-1
<i>Utilities, subroutines, and networks — packages that add a wide variety of capabilities to your computer system</i>	
Company/Package Index	A-1
Package/Company Index	B-1

How to Use This Directory

In this directory you will find software solutions for Hewlett-Packard Graphics Plotters and a variety of HP and non-HP computers. These packages are provided both by Hewlett-Packard and Independent Software Vendors. The software packages have been listed one to a page. Each page contains information about the company offering the product, the support offered by that company, available training information offered by that company, and the computer systems which support that package.

Finding the Right Software

All the software packages in this directory have been divided into eleven application areas:

- Integrated/Multi-Function
- Presentation Graphics
- Text & Symbols
- Project Management
- Mapping
- Statistical Analysis
- Scientific Analysis
- Architectural Design
- CAD/CAM/CAE
- Engineering
- Other Applications

Within each application, all packages are listed alphabetically. To help you find the package that meets your needs, this directory contains two package listings, located in the front of the directory, and two indexes, located at the end.

Package Listing by Application — This listing shows the packages in the order they appear in the directory.

Package Listing by Computer — This listing can be used to locate a product that runs on a certain computer system. Under each computer listing, the packages are organized by application area.

Company/Package Index — In this index, you will find the companies represented in this directory listed alphabetically with their corresponding products. You can use this index to locate packages offered by a specific company.

Package/Company Index — In this index, all packages are listed alphabetically, regardless of application. The supplier for each package is listed as well.

Software Categories

The software packages listed in this directory fall into one of three categories: listed, referenced, or distributed. After each computer entry, a letter will indicate the category for that software on that computer system.

- (L) Listed Software: These packages are available, and are listed in this and other appropriate publications for information purposes only. Post-sales support of software in the "Listed" category is the sole responsibility of the Independent Software Vendor.
- (R) In addition to listing these packages, HP offers marketing and sales assistance to the software suppliers. Post-sales support of software in the "Referenced" category is the sole responsibility of the Independent Software Vendor.
- (D) HP has agreed to act as a distributor of this software. Some software in the "Distributed" category is supported by Hewlett-Packard, some is supported solely by the Independent Software Vendor. Contact your local dealer or HP sales and support office for support information.

New Products

Hewlett-Packard is constantly introducing new products to help meet your computing needs. Recently HP has introduced several new products, including the Vectra PC, an IBM AT compatible personal computer; the ColorPro plotter, an 8-pen plotter designed for the business professional; and the HP 7510 Color Film Recorder. Please contact the vendors listed in this directory for specific support information on these new products.

Ordering Software

The Software Directory for Hewlett-Packard Graphics Plotters is a reference tool; it does not contain specific ordering information for the software packages listed. The addresses and phone numbers for the Independent Software Vendors are listed with each package; check your local dealer or contact the software supplier directly for detailed information prior to purchase.

Package Listing by Application

Application	Package	Page	
Integrated/Multi-Function	1-2-3, Release 1A	1-3	
	1-2-3, Release 2	1-5	
	Access Four	1-6	
	Aura	1-7	
	Context MBA	1-8	
	ENABLE	1-9	
	ENCORE!	1-10	
	Framework II	1-11	
	GraphPlan	1-12	
	Open Access	1-13	
	PC/FOCUS	1-14	
	Smart Software System	1-15	
	SuperCalc ³	1-16	
	Symphony, Release 1.0	1-17	
	Symphony, Release 1.1	1-19	
	Presentation Graphics	4-Point Graphics	2-3
		ANALECT DSS Graphics	2-4
Autumn		2-5	
Boardroom Graphics		2-6	
BPS Business Graphics		2-7	
Charting Gallery		2-8	
Chart-Master		2-9	
Chartstar		2-10	
Corgraph		2-11	
Data Grapher 200		2-12	
DI-3000		2-13	
DISSPLA		2-14	
DSG/250		2-15	
DSG/3000		2-16	
EnerChart		2-17	
Executive Data Display System		2-18	
Executive Picture Show		2-19	
FINGRAPH II		2-20	
Freelance		2-21	
Gallery Collection		2-22	
GDSS		2-23	
GEM Draw		2-24	
Giraph Business Graphics		2-25	
GRAF/3000		2-26	
GRAFFHOPPER		2-27	
GRAFMAKER		2-28	
GrafTalk		2-29	
GRAPHICS-11		2-30	
Graphwriter		2-31	
High Tech Business Graphics		2-32	
HPEASYCHART		2-33	
IB GRAPH		2-34	
Intelligraph		2-35	
Intelligraph Plus	2-36		
KeyChart	2-37		
MD-PLOT	2-39		
Metafile	2-40		
Microsoft Chart, Version 2	2-41		

Package Listing by Application (Continued)

Application	Package	Page	
Presentation Graphics (Continued)	Mirage	2-42	
	OMNILOT	2-43	
	PBG System	2-44	
	PC-Slide	2-45	
	PFS:GRAPH	2-46	
	PicSure	2-47	
	Picture Perfect	2-48	
	Plot-It	2-49	
	Presentation Graphics	2-50	
	SAS/GRAPH	2-51	
	Series 80 Graphics Presentations Pac	2-52	
	Series 200 Graphics Presentations	2-53	
	Slide 250	2-54	
	SPSS Graphics	2-55	
	TELL-A-GRAF	2-56	
	THE DGI ORGANIZATION	2-57	
	Text & Symbols	Diagram-Master	3-3
		Diagraph	3-4
DI-TEXTPRO		3-5	
Drawing Gallery		3-6	
Graphics Editor/200		3-7	
GRFX1 — The Fonts Systems		3-8	
HPDRAW		3-9	
PC Presents!		3-10	
SHOWTEXT		3-11	
Sign-Master		3-12	
SlideWrite		3-13	
TextCharts		3-14	
THE DGI SIGNMAKER		3-15	
THE DGI TYPE SHOP		3-16	
Project Management	CPERT	4-3	
	HP Project Management	4-4	
	LC DATA	4-5	
	PertPlotter	4-6	
	PlotTrak	4-7	
	Primavision	4-8	
	Project Scheduler 5000 Plus Graphics	4-9	
	Project Scheduler Network	4-10	
	VUE	4-11	
	"WHAT IF . . ?"	4-12	
Mapping	Atlas	5-3	
	Atlas AMP	5-4	
	CONTOUR	5-5	
	GEOLOT	5-6	
	HPMap	5-7	
	Map-Master	5-8	
	MAPWARE	5-9	
	MAXpc	5-10	
	MultiMap	5-11	
	STATMAP	5-12	
TOPOGRAPHY — Digital Terrain Modeling	5-13		

Package Listing by Application (Continued)

Application	Package	Page
Statistical Analysis	Control Charts	6-3
	Data Evaluation Program	6-4
	Data Evaluation System	6-5
	HP Statistics Library	6-6
	Prime Plotter HP Plotter Interface	6-7
Scientific Analysis	ASYST	7-3
	Scientific Plotter-PC+	7-4
	Scientific Plotting Program	7-5
	Super Plotter	7-6
Architectural Design	AE/CADD	8-3
	"Super" MicroCAD	8-4
CAD/CAM/CAE	3-D GRAPHIXX	9-3
	AC/DIAD	9-4
	Advanced Graphics Software	9-5
	ANVIL-1000MD	9-6
	ANVIL-4000	9-7
	AutoCAD	9-8
	CADD/200-300	9-9
	CADKEY	9-10
	CAD MASTER 2000	9-11
	Cascade I	9-12
	Cascade VII	9-13
	Cascade X	9-14
	CEADS-MACRO	9-15
	CEADS-CAD 2000	9-16
	Design Board 3D	9-17
	Design Board Professional	9-18
	D-PLOT HP	9-19
	Drafix II	9-20
	EnerGraphics 1.3	9-21
	Euclid	9-22
	Excelerator	9-23
	Graphics 1000-II	9-24
	Graphics 9000	9-25
	Graphics Instruction Device	9-26
	Graphics Instruction Device w/Tablet	9-27
	Holquin CAD	9-28
	HP EGS	9-29
	HP Spice	9-30
	IN*A*VISION	9-31
	Logic Design Station	9-32
	McCAD EDSC	9-33
	McCAD PCB	9-34
	MiCAD	9-35
	OSLO, Super-Oslo	9-36
	PALETTE	9-37
	PC-Draw	9-38
POINTE	9-39	
RoboCAD-PC	9-40	
smARTWORK	9-41	
Touchstone	9-42	

Package Listing by Application (Continued)

Application	Package	Page
CAD/CAM/CAE (Continued)	VersaCAD	9-43
	Workview Series	9-44
Engineering	ACSL	10-3
	Automated Drafting System	10-4
	COGO-80/86	10-5
	COGO-PC	10-6
	Contour Plotting System	10-7
	EARTHWK	10-8
	Earthwork (Survlo)	10-9
	Earthwork/Mass Diagram System	10-10
	ESP-200 Volume 1: COGO-200	10-11
	ESP-200 Volume 2: PacDraft-200	10-12
	ESP-200 Volume 3: Earthwork/Roads	10-13
	GEOCONTOUR	10-14
	Geometric Design System	10-15
	Master Design System	10-16
	PLOT IT	10-17
	Site Comp II V.4	10-18
	Other Applications	ACX VM Printer Manager
Banyan Network Server		11-4
Contouring System		11-5
EnerConnect Program 1		11-6
EnerConnect Program 2		11-7
EMU-TEK (Level 2/Level 3)		11-8
GEOGRAF		11-9
GK-2000		11-10
Graphics Connection		11-11
GSS-Drivers		11-12
HP-GKS		11-13
MacPlot Professional		11-14
MacPlot Standard		11-15
MacPlots II		11-16
Microsoft Windows		11-17
NOVA*GKS		11-18
PLOT88		11-19
Plots II		11-20
Plotstart		11-21
Print Server		11-22
SAS/RTERM		11-23
Starbase Graphics Library		11-24
TEKMAR Graphics Library		11-25
Template		11-26

Package Listing by Computer

Computer	Application	Package	Page	
AGW	CAD/CAM/CAE	Advanced Graphics Software	9-5	
Altos	Presentation Graphics	GDSS	2-23	
		GRAFFHOPPER	2-27	
		High Tech Business Graphics	2-32	
		PlotTrak	4-7	
	Project Management	SHOWTEXT	3-11	
Amdahl	Text & Symbols			
Apple II	Presentation Graphics	KeyChart	2-37	
		Prime Plotter HP Plotter Interface	6-7	
		COGO-80/86	10-5	
Apple IIc	Presentation Graphics	KeyChart	2-37	
		PFS:GRAPH	2-46	
		THE DGI ORGANIZATION	2-57	
	Text & Symbols	THE DGI SIGNMAKER	3-15	
		THE DGI TYPE SHOP	3-16	
	Mapping	GEOPLOT	5-6	
	Statistical Analysis	Prime Plotter HP Plotter Interface	6-7	
	CAD/CAM/CAE	POINTE.	9-39	
Apple IIe	Presentation Graphics	KeyChart	2-37	
		PFS:GRAPH	2-46	
		THE DGI ORGANIZATION	2-57	
	Text & Symbols	THE DGI SIGNMAKER	3-15	
		THE DGI TYPE SHOP	3-16	
	Mapping	GEOPLOT	5-6	
	Statistical Analysis	Prime Plotter HP Plotter Interface	6-7	
	CAD/CAM/CAE	POINTE.	9-39	
Apple II plus	Presentation Graphics	KeyChart	2-37	
		THE DGI ORGANIZATION	2-57	
	Text & Symbols	THE DGI SIGNMAKER	3-15	
		THE DGI TYPE SHOP	3-16	
	Mapping	GEOPLOT	5-6	
	Statistical Analysis	Prime Plotter HP Plotter Interface	6-7	
Apollo	Presentation Graphics	PicSure	2-47	
		AC/DIAD	9-4	
		ACSL	10-3	
		Other Applications	Template	11-26
Apricot PC	Integrated	Open Access	1-13	
		Smart Software System	1-15	
		SuperCalc ³	1-16	
		GrafTalk	2-29	
AT&T 3B2	Presentation Graphics	High Tech Business Graphics	2-32	
		VUE	4-11	
AT&T PC 6300	Integrated	1-2-3, Release 1A	1-3	
		1-2-3, Release 2	1-5	
		ENABLE	1-9	
		Framework II	1-11	
		Open Access	1-13	
		PC/FOCUS	1-14	
		Smart Software System	1-15	
		SuperCalc ³	1-16	
		Symphony, Release 1.0	1-17	
		Symphony, Release 1.1	1-19	
		Presentation Graphics	Boardroom Graphics	2-6
			Chart-Master	2-9
			Giraph Business Graphics	2-25
			High Tech Business Graphics	2-32
			Intelligraph	2-35
			Intelligraph Plus	2-36
			KeyChart	2-37

Package Listing by Computer (Continued)

Computer	Application	Package	Page
AT&T PC 6300 (Cont'd)	Presentation Graphics (Cont'd)	Microsoft Chart, Version 2	2-41
		PC-Slide	2-45
		Picture Perfect	2-48
		THE DGI ORGANIZATION	2-57
	Text & Symbols	Diagram-Master	3-3
		Diagraph	3-4
		Sign-Master	3-12
		THE DGI SIGNMAKER	3-15
		THE DGI TYPE SHOP	3-16
		"WHAT IF . . .?"	4-12
		Project Management	4-12
	Mapping	5-5	
	Scientific Analysis	CONTOUR	5-5
		ASYST	7-3
	Architectural Design	Scientific Plotting Program	7-5
		AE/CADD	8-3
	CAD/CAM/CAE	"Super" MicroCAD	8-4
		3-D GRAPHIXX	9-3
		CAD MASTER 2000	9-11
		Design Board 3D	9-17
		Design Board Professional	9-18
		Drafix II	9-20
		Excelerator	9-23
		smARTWORK	9-41
		COGO-80/86	10-5
		COGO-PC	10-6
		EARTHWK	10-8
		GEOCONTOUR	10-14
		GEOGRAF	11-9
	Other Applications	GSS-Drivers	11-12
		Banyan Network Server	11-4
	AT&T PC 7300	Other Applications	11-4
Banyan Network Server	Other Applications	11-4	
BBN C170	Presentation Graphics	2-50	
Burroughs	Presentation Graphics	GDSS	2-23
		GRAFFHOPPER	2-27
Burroughs B-25	Project Management	PertPlotter	4-6
		Primavision	4-8
Burroughs ET2000	Presentation Graphics	Executive Picture Show	2-19
		Graphwriter	2-31
Bytec Hyperion	Integrated	1-2-3, Release 1A	1-3
	Presentation Graphics	KeyChart	2-37
Canon Athena	Integrated	1-2-3, Release 1A	1-3
		Symphony Release 1.0	1-17
Cascade	CAD/CAM/CAE	Cascade VII	9-13
		Cascade X	9-14
CDC	Presentation Graphics	DI-3000	2-13
		GRAFMAKER	2-28
		Metafile	2-40
		ACSL	10-3
	Engineering	Contouring System	11-5
		Template	11-26
	Other Applications	Presentation Graphics	2-50
Chromatics CGC 7900	Presentation Graphics	2-50	
Columbia PC	Integrated	1-2-3, Release 1A	1-3
		Smart Software System	1-15
		Symphony, Release 1.0	1-17
	Presentation Graphics	EnerChart	2-17
		Executive Picture Show	2-19
		GDSS	2-23
		GRAFFHOPPER	2-27
		Intelligraph	2-35
		Intelligraph Plus	2-36

Package Listing by Computer (Continued)

Computer	Application	Package	Page	
Columbia PC (Cont'd)	Presentation Graphics (Cont'd)	KeyChart	2-37	
		PBG System	2-44	
		PFS:GRAPH	2-46	
		THE DGI ORGANIZATION	2-57	
	Text & Symbols	GRFX1 — The Fonts System	3-8	
		THE DGI SIGNMAKER	3-15	
		THE DGI TYPE SHOP	3-16	
	Mapping	STATMAP	5-12	
	CAD/CAM/CAE	EnerGraphics 1.3	9-21	
	Engineering	Geocontour	10-14	
	Other Applications	GEOGRAF	11-9	
	Compaq	Integrated	1-2-3, Release 1A	1-3
			1-2-3, Release 2	1-5
Aura			1-7	
ENABLE			1-9	
ENCORE!			1-10	
Framework II			1-11	
Smart Software System			1-15	
SuperCalc ³			1-16	
Symphony, Release 1.0			1-17	
Symphony, Release 1.1			1-19	
Presentation Graphics			Boardroom Graphics	2-6
			Chart-Master	2-9
			EnerChart	2-17
		Executive Picture Show	2-19	
		FINGRAPH II	2-20	
		GDSS	2-23	
		Giraph Business Graphics	2-25	
		GRAFFHOPPER	2-27	
		Intelligraph	2-35	
		Intelligraph Plus	2-36	
		KeyChart	2-37	
		Microsoft Chart, Version 2	2-41	
		PBG System	2-44	
		PC-Slide	2-45	
		PFS:GRAPH	2-46	
		Picture Perfect	2-48	
		Text & Symbols	Diagram-Master	3-3
Diagraph			3-4	
Sign-Master			3-12	
SlideWrite			3-13	
"WHAT IF . . .?"			4-12	
Project Management		STATMAP	5-12	
Mapping		ASYST	7-3	
Scientific Analysis		Scientific Plotting Program	7-5	
Architectural Design		AE/CADD	8-3	
		"Super" MicroCAD	8-4	
CAD/CAM/CAE		3-D GRAPHIXX	9-3	
		Design Board 3D	9-17	
		Design Board Professional	9-18	
		EnerGraphics 1.3	9-21	
		smARTWORK	9-41	
		ACSL	10-3	
Engineering		GSS-Drivers	11-12	
Other Applications		Microsoft Windows	11-17	
Compaq 286		Integrated	1-2-3, Release 1A	1-3
			Framework II	1-11
			Symphony, Release 1.0	1-17
		Mapping	CONTOUR	5-5
			Design Board 3D	9-17
		CAD/CAM/CAE	Design Board Professional	9-18
	Drafix II		9-20	
	Workview Series		9-44	

Package Listing by Computer (Continued)

Computer	Application	Package	Page
Compaq 286 (Cont'd)	Engineering	COGO-80/86	10-5
		COGO-PC	10-6
		EARTHWK	10-8
	Other Applications	GEOCONTOUR	10-14
		GEOGRAF	11-9
		Microsoft Windows	11-17
Compaq Deskpro	Integrated	1-2-3, Release 1A	1-3
		ENABLE	1-9
		ENCORE!	1-10
		Framework II	1-11
		Symphony, Release 1.0	1-17
		Symphony, Release 1.1	1-19
	Presentation Graphics	Boardroom Graphics	2-6
		Chart-Master	2-9
		KeyChart	2-37
	Text & Symbols	Diagram-Master	3-3
		Sign-Master	3-12
		SlideWrite	3-13
	Mapping	CONTOUR	5-5
		"Super" MicroCAD	8-4
	Architectural Design	3-D GRAPHIXX	9-3
		ANVIL-1000MD	9-6
	CAD/CAM/CAE	smARTWORK	9-41
		COGO-80/86	10-5
	Engineering	COGO-PC	10-6
		EARTHWK	10-8
Other Applications	Microsoft Windows	11-17	
	Compaq Plus	Integrated	1-2-3, Release 1A
ENABLE			1-9
ENCORE!			1-10
PC/FOCUS			1-14
Presentation Graphics		Chart-Master	2-9
		KeyChart	2-37
Text & Symbols		Diagram-Master	3-3
		Sign-Master	3-12
Project Management		Primavision	4-8
		CONTOUR	5-5
Mapping		Design Board 3D	9-17
		Design Board Professional	9-18
CAD/CAM/CAE		Drafix II	9-20
		Excelerator	9-23
smARTWORK		smARTWORK	9-41
		Workview Series	9-44
Engineering		COGO-80/86	10-5
		COGO-PC	10-6
		EARTHWK	10-8
Convergent		Integrated	1-2-3, Release 1A
Corona PC	Integrated	Framework II	1-11
		Open Access	1-13
		PC/FOCUS	1-14
	Presentation Graphics	Presentation Graphics	2-44
		PFS:GRAPH	2-46
	Mapping	STATMAP	5-12
		EnerGraphics 1.3	9-21
	Other Applications	GEOGRAF	11-9
Cray		Engineering	ACSL
	Template	11-26	
CT/AWS-IWS	Presentation Graphics	GDSS	2-23
		GRAFFHOPPER	2-27
Daisy Personal Logician	CAD/CAM/CAE	Touchstone	9-42

Package Listing by Computer (Continued)

Computer	Application	Package	Page	
Data General	Presentation Graphics	DI-3000	2-13	
		GRAFMAKER	2-28	
		Metafile	2-40	
	Other Applications	Contouring System	11-5	
		Template	11-26	
Data General One	Integrated	Framework II	1-11	
		Smart Software System	1-15	
	Presentation Graphics	GrafTalk	2-29	
		Engineering	GEOCONTOUR	10-14
		Other Applications	GEOGRAF	11-9
DEC	Presentation Graphics	ANALECT DSS Graphics	2-4	
		DI-3000	2-13	
		DISSPLA	2-14	
		FINGRAPH II	2-20	
		GRAFMAKER	2-28	
		IB GRAPH	2-34	
		Metafile	2-40	
		VUE	4-11	
		Project Management CAD/CAM/CAE	Advanced Graphics Software	9-5
			PALETTE	9-37
	Other Applications	Contouring System	11-5	
		Template	11-26	
		GrafTalk	2-29	
	DECmate	Presentation Graphics	FINGRAPH II	2-20
	DEC MicroVAX	Presentation Graphics CAD/CAM/CAE	Advanced Graphics Software	9-5
			PALETTE	9-37
			DISSPLA	2-14
DEC MicroVAX II	Presentation Graphics	TELL-A-GRAF	2-56	
		ANVIL-4000	9-7	
	CAD/CAM/CAE	PALETTE	9-37	
DEC Micro PDP	CAD/CAM/CAE	PALETTE	9-37	
DEC Rainbow	Integrated	GraphPlan	1-12	
		SuperCalc ³	1-16	
		Symphony, Release 1.0	1-17	
	Presentation Graphics	4-Point Graphics	2-3	
		GrafTalk	2-29	
	Project Management	PertPlotter	4-6	
		Project Scheduler 5000 Plus Graphics	4-9	
	DEC Pro 350	Presentation Graphics CAD/CAM/CAE	FINGRAPH II	2-20
			PALETTE	9-37
	DEC VAX	Presentation Graphics	ANALECT DSS Graphics	2-4
DI-3000			2-13	
DISSPLA			2-14	
Executive Data Display System			2-18	
FINGRAPH II			2-20	
GRAFMAKER			2-28	
GRAPHICS-11			2-30	
IB GRAPH			2-34	
Metafile			2-40	
PicSure			2-47	
Presentation Graphics			2-50	
SAS/GRAPH			2-51	
SPSS Graphics			2-55	
TELL-A-GRAF			2-56	
Text & Symbols Project Management CAD/CAM/CAE			DI-TEXTPRO	3-5
			VUE	4-11
		AC/DIAD	9-4	
		Advanced Graphics Software	9-5	
		ANVIL-4000	9-7	
		Euclid	9-22	

Package Listing by Computer (Continued)

Computer	Application	Package	Page
DEC VAX (Cont'd)	CAD/CAM/CAE (Cont'd) Engineering Other Applications	PALETTE	9-37
		ACSL	10-3
		Contouring System	11-5
		GK-2000	11-10
		Template	11-26
DG Eclipse	Presentation Graphics	SAS/GRAPH	2-51
DG MV 400-10000	CAD/CAM/CAE	ANVIL-4000	9-7
Eagle PC	Integrated	1-2-3, Release 1A	1-3
		Symphony, Release 1.0	1-17
	Presentation Graphics	Executive Picture Show	2-19
		PBG System	2-44
	Mapping	STATMAP	5-12
	CAD/CAM/CAE	EnerGraphics 1.3	9-21
	Engineering	GEOCONTOUR	10-14
Other Applications	GEOGRAF	11-9	
Eagle Turbo XL	Integrated	Symphony, Release 1.0	1-17
Ericsson	Integrated	ENABLE	1-9
	Presentation Graphics	Giraph Business Graphics	2-25
Epson QX76	Integrated	ENABLE	1-9
		GraphPlan	1-12
	Presentation Graphics	KeyChart	2-37
Fortune 32:16	Presentation Graphics	Graphwriter	2-31
		High Tech Business Graphics	2-32
	Project Management	VUE	4-11
	Other Applications	GSS-Drivers	11-12
Fujitsu	Integrated	SuperCalc ³	1-16
Gould	Presentation Graphics	Presentation Graphics	2-50
	Engineering	ACSL	10-3
Grid Case	Integrated	Symphony, Release 1.0	1-17
	Presentation Graphics	KeyChart	2-37
Grid Compass	Integrated	1-2-3, Release 1A	1-3
	Project Management	Project Scheduler 5000 Plus Graphics	4-9
Harris	Other Applications	Template	11-26
Honeywell	Presentation Graphics	DI-3000	2-13
		DISSPLA	2-14
		GRAFMAKER	2-28
		Metafile	2-40
		TELL-A-GRAF	2-56
		VUE	4-11
	Project Management	Contouring System	11-5
	Other Applications		
	Project Management	"WHAT IF . . .?"	4-12
HP-83	Presentation Graphics	Series 80 Graphics Presentations Pac	2-52
HP-85	Presentation Graphics	Series 80 Graphics Presentations Pac	2-52
		Control Charts	6-3
	Statistical Analysis	Data Evaluation Program	6-4
		Data Evaluation System	6-5
		Super Plotter	7-6
	Scientific Analysis	Graphics Instruction Device	9-26
	HP-86	Presentation Graphics	Series 80 Graphics Presentations Pac
CPERT			4-3
Project Management		LC DATA	4-5
		Control Charts	6-3
Statistical Analysis		Data Evaluation Program	6-4
		Data Evaluation System	6-5

Package Listing by Computer (Continued)

Computer	Application	Package	Page	
HP-86 (Cont'd)	Scientific Analysis CAD/CAM/CAE	Super Plotter	7-6	
		Graphics Instruction Device	9-26	
	Engineering	Graphics Instruction Device w/Tablet	9-27	
		PLOT IT	10-17	
HP-87	Presentation Graphics Project Management	Series 80 Graphics Presentations Pac	2-52	
		CPERT	4-3	
		LC DATA	4-5	
	Statistical Analysis	Control Charts	6-3	
		Data Evaluation Program	6-4	
		Data Evaluation System	6-5	
	Scientific Analysis CAD/CAM/CAE	Super Plotter	7-6	
		Graphics Instruction Device	9-26	
		Graphics Instruction Device w/Tablet	9-27	
		PLOT IT	10-17	
HP 250	Presentation Graphics	DSG/250	2-15	
		Slide 250	2-54	
HP 260	Presentation Graphics	DSG/250	2-15	
		Slide 250	2-54	
HP 1000	CAD/CAM/CAE	CEADS-MACRO	9-15	
		CEADS-CAD 2000	9-16	
		Graphics 1000-II	9-24	
HP 3000	Presentation Graphics	DI-3000	2-13	
		DSG/3000	2-16	
		GRAF/3000	2-26	
		GRAFMAKER	2-28	
		HPEASYCHART	2-33	
		Metafile	2-40	
		Presentation Graphics	2-50	
		HPDRAW	3-9	
		VUE	4-11	
		HPMap	5-7	
	Contouring System	11-5		
	HP 9000	Presentation Graphics	DISSPLA	2-14
			Presentation Graphics	2-50
TELL-A-GRAF			2-56	
CAD/CAM/CAE Other Applications		ANVIL-4000	9-7	
		Template	11-26	
HP Integral PC	Presentation Graphics Text & Symbols Project Management	Picture Perfect	2-48	
		Diagraph	3-4	
		PlotTrak	4-7	
HP Portable	Integrated	1-2-3, Release 1A	1-3	
HP Series 80	Mapping	TOPOGRAPHY — Digital Terrain Modeling	5-13	
HP Series 200	Integrated Presentation Graphics	Context MBA	1-8	
		Data Grapher 200	2-12	
		Picture Perfect	2-48	
		Series 200 Graphics Presentations	2-53	
		Diagraph	3-4	
	Text & Symbols	Graphics Editor/200	3-7	
		HP Project Management	4-4	
		PlotTrak	4-7	
	Project Management	TOPOGRAPHY — Digital Terrain Modeling	5-13	
		HP Statistics Library	6-6	
	Mapping Statistical Analysis CAD/CAM/CAE	CADD/200-300	9-9	
		Holquin CAD	9-28	
		HP EGS	9-29	
		OSLO, Super-Oslo	9-36	
		Touchstone	9-42	
VersaCAD		9-43		

Package Listing by Computer (Continued)

Computer	Application	Package	Page	
HP Series 200 (Cont'd)	Engineering	Automated Drafting System	10-4	
		Contour Plotting System	10-7	
		Earthwork (Survot)	10-9	
		Earthwork/Mass Diagram System	10-10	
		ESP-200 Volume 1: COGO-200	10-11	
		ESP-200 Volume 2: PacDraft-200	10-12	
		ESP-200 Volume 3: Earthwork/Roads	10-13	
		Geometric Design System	10-15	
		Master Design System	10-16	
		Site Comp II V.4	10-18	
		Other Applications	HP-GKS	11-13
			Starbase Graphics Library	11-24
HP Series 300	Integrated Presentation Graphics	Context MBA	1-8	
		Data Grapher 200	2-12	
		Picture Perfect	2-48	
	Text & Symbols	Series 200 Graphics Presentations	2-53	
		Diagraph	3-4	
		Graphics Editor/200	3-7	
	Project Management	HP Project Management	4-4	
		TOPOGRAPHY — Digital Terrain Modeling	5-13	
	Mapping	HP Statistics Library	6-6	
		Statistical Analysis		
	CAD/CAM/CAE	CADD/200-300	9-9	
		Holguin CAD	9-28	
		HP EGS	9-29	
		Logic DesignStation	9-32	
		OSLO, Super-Oslo	9-36	
		Engineering	Automated Drafting System	10-4
			Contour Plotting System	10-7
			Earthwork (Survot)	10-9
			Earthwork/Mass Diagram System	10-10
			ESP-200 Volume 1: COGO-200	10-11
	ESP-200 Volume 2: PacDraft-200		10-12	
	ESP-200 Volume 3: Earthwork/Roads		10-13	
	Geometric Design System		10-15	
	Master Design System		10-16	
	Site Comp II V.4		10-18	
	Other Applications		HP-GKS	11-13
			Starbase Graphics Library	11-24
	HP Series 500	Mapping CAD/CAM/CAE	TOPOGRAPHY — Digital Terrain Modeling	5-13
			HP Spice	9-30
		Engineering	OSLO, Super-Oslo	9-36
			ESP-200 Volume 1: COGO-200	10-11
			ESP-200 Volume 2: PacDraft-200	10-12
Other Applications		ESP-200 Volume 3: Earthwork/Roads	10-13	
		HP-GKS	11-13	
		Starbase Graphics Library	11-24	
HP Touchscreen PC		Integrated	1-2-3, Release 1A	1-3
			GraphPlan	1-12
			Open Access	1-13
			PC/FOCUS	1-14
	Symphony, Release 1.1		1-19	
	Presentation Graphics	Charting Gallery	2-8	
		Gallery Collection	2-22	
		Graphwriter	2-31	
		Picture Perfect	2-48	
	Text & Symbols	Diagraph	3-4	
		Drawing Gallery	3-6	
	Project Management	PertPlotter	4-6	
		PlotTrak	4-7	
		Project Scheduler 5000 Plus Graphics	4-9	
	Statistical Analysis	Control Charts	6-3	
		Scientific Analysis		
	CAD/CAM/CAE	Super Plotter	7-6	
		AutoCAD	9-8	

Package Listing by Computer (Continued)

Computer	Application	Package	Page
HP Touchscreen PC	Other Applications	Graphics Connection	11-11
HP Vectra PC	Text & Symbols	TextCharts	3-14
	Mapping	CONTOUR	5-5
	Scientific Analysis	ASYST	7-3
	CAD/CAM/CAE	Logic DesignStation	9-32
	Engineering	COGO-80/86	10-5
		COGO-PC	10-6
		EARTHWK	10-8
IBM (Large Systems)	Presentation Graphics	ANALECT DSS Graphics	2-4
		DI-3000	2-13
		GRAFMAKER	2-28
		Metafile	2-40
		PicSure	2-47
		SPSS Graphics	2-55
	Text & Symbols	DI-TEXTPRO	3-5
		SHOWTEXT	3-11
	Project Management	VUE	4-11
	Engineering	ACSL	10-3
	Other Applications	Contouring System	11-5
		GK-2000	11-10
		Template	11-26
IBM 3270 PC	Integrated	1-2-3, Release 1A	1-3
		Framework II	1-11
		Symphony, Release 1.1	1-19
	Presentation Graphics	Chart-Master	2-9
		GrafTalk	2-29
		Picture Perfect	2-48
	Text & Symbols	Diagram-Master	3-3
		Diagraph	3-4
		Sign-Master	3-12
		SlideWrite	3-13
	Mapping	Map-Master	5-8
	Architectural Design	"Super" MicroCAD	8-4
	CAD/CAM/CAE	AutoCAD	9-8
		Excelerator	9-23
		MiCAD	9-35
	Other Applications	EnerConnect Program 1	11-6
		EnerConnect Program 2	11-7
		GSS-Drivers	11-12
IBM 30XX	Presentation Graphics	DISSPLA	2-14
		MD-PLOT	2-39
		SAS/GRAPH	2-51
		TELL-A-GRAF	2-56
	CAD/CAM/CAE	ANVIL-4000	9-7
		Euclid	9-22
	Other Applications	ACX VM Printer Manager	11-3
IBM 43XX	Presentation Graphics	DISSPLA	2-14
		MD-PLOT	2-39
		SAS/GRAPH	2-51
		TELL-A-GRAF	2-56
	CAD/CAM/CAE	ANVIL-4000	9-7
		Euclid	9-22
	Other Applications	ACX VM Printer Manager	11-3
IBM AT	Integrated	1-2-3, Release 1A	1-3
		Access Four	1-6
		ENCORE!	1-10
		Framework II	1-11
		Open Access	1-13
		PC/FOCUS	1-14
		Smart Software System	1-15
		Symphony, Release 1.0	1-17

Package Listing by Computer (Continued)

Computer	Application	Package	Page		
IBM AT (Cont'd)	Integrated (Cont'd) Presentation Graphics	Symphony, Release 1.1	1-19		
		4-Point Graphics	2-3		
		Autumn	2-5		
		BPS Business Graphics	2-7		
		Chart-Master	2-9		
		EnerChart	2-17		
		Freelance	2-21		
		GEM Draw	2-24		
		Giraph Business Graphics	2-25		
		GrafTalk	2-29		
		Graphwriter	2-31		
		Intelligraph	2-35		
		Intelligraph Plus	2-36		
		KeyChart	2-37		
		Microsoft Chart, Version 2	2-41		
		Mirage	2-42		
		OMNILOT	2-43		
		PC-Slide	2-45		
		PicSure	2-47		
		Picture Perfect	2-48		
		Text & Symbols	Diagram-Master	3-3	
			Diagraph	3-4	
			Sign-Master	3-12	
			SlideWrite	3-13	
			TextCharts	3-14	
			THE DGI SIGNMAKER	3-15	
			THE DGI TYPE SHOP	3-16	
			Project Management	PertPlotter	4-6
				PlotTrak	4-7
				Primavision	4-8
		Project Scheduler 5000 Plus Graphics		4-9	
		Project Scheduler Network		4-10	
		VUE		4-11	
	"WHAT IF . . .?"	4-12			
	Mapping	Atlas		5-3	
		Atlas AMP		5-4	
		CONTOUR		5-5	
		GEOLOT	5-6		
		Map-Master	5-8		
		MAXpc	5-10		
		MultiMap	5-11		
		Scientific Analysis	ASYST	7-3	
			Scientific Plotting Program	7-5	
		Architectural Design	AE/CADD	8-3	
	"Super" MicroCAD		8-4		
	CAD/CAM/CAE	Advanced Graphics Software	9-5		
		ANVIL-1000MD	9-6		
		AutoCAD	9-8		
		CADKEY	9-10		
		CAD MASTER 2000	9-11		
		Design Board 3D	9-17		
		Design Board Professional	9-18		
		D-PLOT HP	9-19		
		Drafix II	9-20		
		Exceleator	9-23		
		IN*A*VISION	9-31		
		Logic DesignStation	9-32		
		MiCAD	9-35		
		RoboCAD-PC	9-40		
		smARTWORK	9-41		
		Touchstone	9-42		
		VersaCAD	9-43		
		Engineering	Workview Series	9-44	
			COGO-80/86	10-5	

Package Listing by Computer (Continued)

Computer	Application	Package	Page		
IBM AT (Cont'd)	Engineering (Cont'd)	COGO-PC	10-6		
		EARTHWK	10-8		
		GEOCONTOUR	10-14		
	Other Applications	Banyan Network Server	11-4		
		EnerConnect Program 1	11-6		
		EnerConnect Program 2	11-7		
		EMU-TEK (Level 2/Level 3)	11-8		
		GEOGRAF	11-9		
		GSS-Drivers	11-12		
		Microsoft Windows	11-17		
		NOVA*GKS	11-18		
		PLOT88	11-19		
		SAS/RTERM	11-23		
		TEKMAR Graphics Library	11-25		
		IBM PC	Integrated	1-2-3, Release 1A	1-3
				1-2-3, Release 2	1-5
				Access Four	1-6
Aura	1-7				
ENABLE	1-9				
ENCORE!	1-10				
Framework II	1-11				
GraphPlan	1-12				
Open Access	1-13				
PC/FOCUS	1-14				
Smart Software System	1-15				
SuperCalc ³	1-16				
Symphony, Release 1.0	1-17				
Symphony, Release 1.1	1-19				
Presentation Graphics	4-Point Graphics			2-3	
	Autumn			2-5	
	Boardroom Graphics			2-6	
	BPS Business Graphics			2-7	
	Chart-Master			2-9	
	Chartstar		2-10		
	EnerChart		2-17		
	Executive Picture Show		2-19		
	FINGRAPH II		2-20		
	Freelance		2-21		
	GDSS		2-23		
	GEM Draw		2-24		
	Giraph Business Graphics		2-25		
	GRAFFHOPPER		2-27		
	GrafTalk		2-29		
	Graphwriter		2-31		
	High Tech Business Graphics		2-32		
	Intelligraph		2-35		
	Intelligraph Plus		2-36		
	KeyChart		2-37		
	Microsoft Chart, Version 2		2-41		
	Mirage		2-42		
	OMNILOT		2-43		
	PBG System		2-44		
	PC-Slide		2-45		
	PFS:GRAPH		2-46		
	PicSure		2-47		
	Picture Perfect		2-48		
Presentation Graphics	2-50				
THE DGI ORGANIZATION	2-57				
Text & Symbols	Diagram-Master		3-3		
	Diagraph		3-4		
	GRFX1 — The Fonts Systems		3-8		
	Sign-Master	3-12			
	SlideWrite	3-13			
	TextCharts	3-14			

Package Listing by Computer (Continued)

Computer	Application	Package	Page		
IBM PC (Cont'd)	Text & Symbols (Cont'd)	THE DGI SIGNMAKER	3-15		
		THE DGI TYPE SHOP	3-16		
	Project Management	PertPlotter	4-6		
		PlotTrak	4-7		
		Primavision	4-8		
		Project Scheduler 5000 Plus Graphics	4-9		
		Project Scheduler Network	4-10		
		VUE	4-11		
		"WHAT IF . . . ?"	4-12		
		Mapping	Atlas	5-3	
			Atlas AMP	5-4	
			CONTOUR	5-5	
	GEOPLOT		5-6		
	Map-Master		5-8		
	MAPWARE		5-9		
	MAXpc		5-10		
	MultiMap		5-11		
	STATMAP		5-12		
	Statistical Analysis Scientific Analysis		Control Charts	6-3	
		ASYST	7-3		
		Scientific Plotter-PC+	7-4		
	Architectural Design	Scientific Plotting Program	7-5		
		AE/CADD	8-3		
	CAD/CAM/CAE	"Super" MicroCAD	8-4		
		ANVIL-1000MD	9-6		
		AutoCAD	9-8		
		CADKEY	9-10		
		CAD MASTER 2000	9-11		
		Cascade I	9-12		
		Design Board 3D	9-17		
		Design Board Professional	9-18		
		D-PLOT HP	9-19		
		Drafix II	9-20		
		EnerGraphics 1.3	9-21		
		Excelerator	9-23		
		IN*A*VISION	9-31		
		OSLO, Super-Oslo	9-36		
		PC-Draw	9-38		
		RoboCAD-PC	9-40		
		smARTWORK	9-41		
		Touchstone	9-42		
		VersaCAD	9-43		
		Workview Series	9-44		
		Engineering	COGO-80/86	10-5	
			COGO-PC	10-6	
			EARTHWK	10-8	
	GEOCONTOUR		10-14		
	Other Applications	EnerConnect Program 1	11-6		
		EnerConnect Program 2	11-7		
		EMU-TEK (Level 2/Level 3)	11-8		
		GEOGRAF	11-9		
		GSS-Drivers	11-12		
		Microsoft Windows	11-17		
		NOVA*GKS	11-18		
		PLOT88	11-19		
		Print Server	11-22		
		SAS/RTERM	11-23		
		TEKMAR Graphics Library	11-25		
		IBM PCjr	Presentation Graphics	4-Point Graphics	2-3
				KeyChart	2-37
	Text & Symbols		THE DGI ORGANIZATION	2-57	
			THE DGI SIGNMAKER	3-15	
			THE DGI TYPE SHOP	3-16	

Package Listing by Computer (Continued)

Computer	Application	Package	Page	
IBM PC-XT	Integrated	1-2-3, Release 1A	1-3	
		1-2-3, Release 2	1-5	
		Access Four	1-6	
		Aura	1-7	
		ENABLE	1-9	
		ENCORE!	1-10	
		Framework II	1-11	
		Open Access	1-13	
		PC/FOCUS	1-14	
		Smart Software System	1-15	
		Symphony, Release 1.0	1-17	
		Symphony, Release 1.1	1-19	
		Presentation Graphics	4-Point Graphics	2-3
			Autumn	2-5
			Boardroom Graphics	2-6
			BPS Business Graphics	2-7
			Chart-Master	2-9
	EnerChart		2-17	
	Executive Picture Show		2-19	
	FINGRAPH II		2-20	
	Freelance		2-21	
	GDSS		2-23	
	GEM Draw		2-24	
	Giraph Business Graphics		2-25	
	GRAFFHOPPER		2-27	
	GrafTalk		2-29	
	Graphwriter		2-31	
	Intelligraph		2-35	
	Intelligraph Plus		2-36	
	KeyChart		2-37	
	Microsoft Chart, Version 2		2-41	
	Mirage		2-42	
	OMNILOT		2-43	
	PC-Slide		2-45	
	PFS:GRAPH		2-46	
	PicSure	2-47		
	Picture Perfect	2-48		
	Presentation Graphics	2-50		
	THE DGI ORGANIZATION	2-57		
	Text & Symbols	Diagram-Master	3-3	
Diagraph		3-4		
GRFX1 — The Fonts Systems		3-8		
Sign-Master		3-12		
SlideWrite		3-13		
TextCharts		3-14		
THE DGI SIGNMAKER		3-15		
THE DGI TYPE SHOP		3-16		
Project Management		PertPlotter	4-6	
		PlotTrak	4-7	
	Primavision	4-8		
	Project Scheduler 5000 Plus Graphics	4-9		
	Project Scheduler Network	4-10		
	VUE	4-11		
	"WHAT IF . . .?"	4-12		
Mapping	Atlas	5-3		
	Atlas AMP	5-4		
	CONTOUR	5-5		
	GEOPLOT	5-6		
	Map-Master	5-8		
	MAXpc	5-10		
	MultiMap	5-11		
Statistical Analysis	Control Charts	6-3		
	Scientific Analysis	ASYST	7-3	
Scientific Plotting Program		7-5		

Package Listing by Computer (Continued)

Computer	Application	Package	Page	
IBM PC-XT (Cont'd)	Architectural Design	AE/CADD	8-3	
		"Super" MicroCAD	8-4	
	CAD/CAM/CAE	ANVIL-1000MD	9-6	
		AutoCAD	9-8	
		CADKEY	9-10	
		CAD MASTER 2000	9-11	
		Cascade I	9-12	
		Design Board 3D	9-17	
		Design Board Professional	9-18	
		D-PLOT HP	9-19	
		Drafix II	9-20	
		Excelerator	9-23	
		IN*A*VISION	9-31	
		MiCAD	9-35	
		RoboCAD-PC	9-40	
		smARTWORK	9-41	
		Touchstone	9-42	
		VersaCAD	9-43	
		Workview Series	9-44	
		Engineering	COGO-80/86	10-5
			COGO-PC	10-6
			EARTHWK	10-8
	GEOCONTOUR		10-14	
	Other Applications	EnerConnect Program 1	11-6	
		EnerConnect Program 2	11-7	
		EMU-TEK (Level 2/Level 3)	11-8	
		GEOGRAF	11-9	
		GSS-Drivers	11-12	
		Microsoft Windows	11-17	
		NOVA*GKS	11-18	
		PLOT88	11-19	
		SAS/RTERM	11-23	
		TEKMAR Graphics Library	11-25	
IBM Portable		Integrated	1-2-3, Release 2	1-4
			ENABLE	1-9
		Presentation Graphics	Executive Picture Show	2-19
	Project Management	KeyChart	2-37	
"WHAT IF .?"		4-12		
Intel 310/286	Presentation Graphics	High Tech Business Graphics	2-32	
ISM	Mapping	STATMAP	5-12	
ITT Xtra	Integrated	1-2-3, Release 1A	1-3	
		Symphony, Release 1.0	1-17	
	Presentation Graphics	Boardroom Graphics	2-6	
	Project Management	"WHAT IF .?"	4-12	
Mapping	STATMAP	5-12		
Kaypro	Presentation Graphics	KeyChart	2-37	
Leading Edge PC	Integrated	1-2-3, Release 1A	1-3	
		Symphony, Release 1.0	1-17	
		Boardroom Graphics	2-6	
	Presentation Graphics	BPS Business Graphics	2-7	
		KeyChart	2-37	
		PBG System	2-44	
		STATMAP	5-12	
	Mapping	Design Board 3D	9-17	
		Design Board Professional	9-18	
	Engineering	Drafix II	9-20	
		GEOCONTOUR	10-14	
	Other Applications	GEOGRAF	11-9	
Lisa	CAD/CAM/CAE	McCAD EDSC	9-33	
		McCAD PCB	9-34	

Package Listing by Computer (Continued)

Computer	Application	Package	Page	
Lisa (Cont'd)	Other Applications	Plots II	11-20	
Macintosh	Presentation Graphics	Plot-It	2-49	
	Other Applications	MacPlot Professional	11-14	
		MacPlot Standard	11-15	
		MacPlots II	11-16	
		Plotstart	11-21	
Macintosh XL	CAD/CAM/CAE	McCAD EDSC	9-33	
		McCAD PCB	9-34	
	Other Applications	Plots II	11-20	
Mindset PC	Integrated	1-2-3, Release 1A	1-3	
	Other Applications	GSS-Drivers	11-12	
NAS	Text & Symbols	SHOWTEXT	3-11	
NCR DecisionMate IV	Presentation Graphics	KeyChart	2-37	
NCR DecisionMate V	Integrated	GraphPlan	1-12	
		SuperCalc ³	1-16	
	Presentation Graphics	Boardroom Graphics	2-6	
		AE/CADD	8-3	
		"Super" MicroCAD	8-4	
NCR PC 4	Integrated	1-2-3, Release 1A	1-3	
		Symphony, Release 1.0	1-17	
	CAD/CAM/CAE	EnerGraphics 1.3	9-21	
		Other Applications	GSS-Drivers	11-12
		NCR PC 6	CAD/CAM/CAE	Drafix II
Other Applications	GSS-Drivers			11-12
NCR PC 8	CAD/CAM/CAE	Drafix II	9-20	
		Other Applications	GSS-Drivers	11-12
NCR Tower	Presentation Graphics	High Tech Business Graphics	2-32	
NCT Worksaver	Presentation Graphics	GDSS	2-23	
		GRAFFHOPPER	2-27	
NEC APC III	Integrated	SuperCalc ³	1-16	
	Presentation Graphics	BPS Business Graphics	2-7	
	CAD/CAM/CAE	AutoCAD	9-8	
Nestar Plan 1000/ Nestar PFSC	Other Applications	Print Server	11-22	
Osborne	Presentation Graphics	KeyChart	2-37	
Panasonic Senior Partner	Presentation Graphics	KeyChart	2-37	
		PFS:GRAPH	2-46	
Perkin Elmer 3200	Project Management	VUE	4-11	
	Other Applications	Template	11-26	
Polo	Integrated	Symphony, Release 1.0	1-17	
Prime	Presentation Graphics	ANALECT DSS Graphics	2-4	
		DI-3000	2-13	
		DISSPLA	2-14	
		GRAFMAKER	2-28	
		Metafile	2-40	
		PicSure	2-47	
		SAS/GRAPH	2-51	
		TELL-A-GRAF	2-56	
	Other Applications	Contouring System	11-5	
		Template	11-26	
		Pyramid	Presentation Graphics	Presentation Graphics
Sequent Balance 8000	Other Applications	GSS-Drivers	11-12	
Sperry PC	Integrated	Symphony, Release 1.0	1-17	

Package Listing by Computer (Continued)

Computer	Application	Package	Page		
Sperry PC (Cont'd)	Presentation Graphics	Boardroom Graphics	2-6		
		BPS Business Graphics	2-7		
		EnerChart	2-17		
		High Tech Business Graphics	2-32		
		Intelligraph	2-35		
		Intelligraph Plus	2-36		
		KeyChart	2-37		
		Drafix II	9-20		
		Sperry UNIVAC	Other Applications	Template	11-26
Tandy 1000	Integrated	1-2-3, Release 1A	1-3		
		Open Access	1-13		
Tandy 1200	Integrated	1-2-3, Release 1A	1-3		
		Open Access	1-13		
		PC/FOCUS	1-14		
		Symphony, Release 1.0	1-17		
	Presentation Graphics	Intelligraph	2-35		
		Intelligraph Plus	2-36		
		CONTOUR	5-5		
	Mapping	AE/CADD	8-3		
	Architectural Design	EnerGraphics 1.3	9-21		
	CAD/CAM/CAE	COGO-80/86	10-5		
	Engineering	COGO-PC	10-6		
		EARTHWK	10-8		
Tandy 2000	Integrated	1-2-3, Release 1A	1-3		
		Open Access	1-13		
		Smart Software System	1-15		
	Presentation Graphics	Graphwriter	2-31		
		KeyChart	2-37		
		PertPlotter	4-6		
	Project Management	"WHAT IF .?."	4-12		
	Architectural Design	AE/CADD	8-3		
		CAD/CAM/CAE	AutoCAD	9-8	
	Tandy 16/6000	Presentation Graphics	High Tech Business Graphics	2-32	
			Project Management	PlotTrak	4-7
Televideo Tele-PC	Integrated	1-2-3, Release 1A	1-3		
		Presentation Graphics	Executive Picture Show	2-19	
TI Pro	Integrated	1-2-3, Release 1A	1-3		
		GraphPlan	1-12		
		Open Access	1-13		
		PC/FOCUS	1-14		
		SuperCalc ³	1-16		
	Presentation Graphics	BPS Business Graphics	2-7		
		KeyChart	2-37		
		PertPlotter	4-6		
	Project Management	PlotTrak	4-7		
		Primavision	4-8		
		Project Scheduler 5000 Plus Graphics	4-9		
	Architectural Design	AE/CADD	8-3		
CAD/CAM/CAE		AutoCAD	9-8		
		EnerGraphics 1.3	9-21		
Victor 9000	Presentation Graphics	GrafTalk	2-29		
		Project Management	PertPlotter	4-6	
		CAD/CAM/CAE	AutoCAD	9-8	
Visual Commuter	Integrated	1-2-3, Release 1A	1-3		
		Symphony, Release 1.0	1-17		
Wang 2200	Engineering	Automated Drafting System	10-4		
		Contour Plotting System	10-7		
		Earthwork (Survot)	10-9		

Package Listing by Computer (Continued)

Computer	Application	Package	Page
Wang 2200 (Cont'd)	Engineering (Cont'd)	Earthwork/Mass Diagram System	10-10
		Geometric Design System	10-15
		Master Design System	10-16
Wang PC	Presentation Graphics	KeyChart	2-37
		Microsoft Chart, Version 2	2-41
	Project Management	PertPlotter	4-6
		PlotTrak	4-7
		Primavision	4-8
		Project Scheduler 5000 Plus Graphics	4-9
		AutoCAD	9-8
	CAD/CAM/CAE	EnerGraphics 1.3	9-21
		Automated Drafting System	10-4
	Engineering	Contour Plotting System	10-7
		Earthwork (Survot)	10-9
		Earthwork/Mass Diagram System	10-10
		Geometric Design System	10-15
		Master Design System	10-16
Wang Professional	Integrated	1-2-3, Release 1A	1-3
		PC/FOCUS	1-14
	Presentation Graphics	BPS Business Graphics	2-7
Xerox 6064/6065/ 6067/6068	Integrated	1-2-3, Release 1A	1-3
		Symphony, Release 1.0	1-17
Xerox PC	Presentation Graphics	PC-Slide	2-45
Zenith 200	CAD/CAM/CAE	Drafix II	9-20
Zenith Z-100	Integrated	1-2-3, Release 1A	1-3
	Presentation Graphics	GrafTalk	2-29
		KeyChart	2-37
CAD/CAM/CAE	AutoCAD	9-8	
Zenith Z-150	Integrated	1-2-3, Release 1A	1-3
		ENABLE	1-9
		PC/FOCUS	1-14
		Symphony, Release 1.0	1-17
	Presentation Graphics	Boardroom Graphics	2-6
		GrafTalk	2-29
		KeyChart	2-37
		Microsoft Chart, Version 2	2-41
		PBG System	2-44
		STATMAP	5-12
	Mapping Architectural Design CAD/CAM/CAE Engineering Other Applications	AE/CADD	8-3
		EnerGraphics 1.3	9-21
		GEOCONTOUR	10-14
		GEOGRAF	11-9
GSS-Drivers		11-12	
Zenith Z-160	Integrated	ENABLE	1-9

INTEGRATED/ MULTI-FUNCTION

Packages that have a combination of applications such as word processing, spreadsheet, and graphics

1-2-3™, RELEASE 1A

LOTUS DEVELOPMENT CORPORATION
 35 Cambridge Parkway
 Cambridge, MA 02142
 (617) 577-8500

Suggested Retail Price \$495
 (U.S. List)

1-2-3™ is a powerful, easy-to-use program integrating three essential analytical functions: spreadsheet, graphics, and database. The spreadsheet is 256 columns by 2048 rows and provides more than 50 mathematical, financial, and statistical functions. Six graph types permit immediate "what if" analysis of database or spreadsheet information. 1-2-3™'s database function allows easy data entry, retrieval, query, and sorting, using a wide range of criteria. 1-2-3™ offers an interactive disk tutorial, over 200 on-line help screens cross-referenced to the user manual, menu-driven English commands, keyboard macros, common file format handling, and limited text processing.

Note: ColorPro driver available from World of Lotus on CompuServe.

INTEGRATED/MULTI-FUNCTION

VENDOR SUPPORT INFORMATION

Information Not Available

VENDOR TRAINING INFORMATION

Information Not Available

Support Comment

The Lotus Assurance Plan. Ninety-day warranty. Customer service and support: (617) 253-9150.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC	(D) MS™-DOS 2.01	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Portable	(D) MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP T&T PC 6300	(L) MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Hyperion	(L) MS™-DOS 1.1	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Canon Athena	(L) MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Columbia MPC	(L) MS™-DOS 2.0	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Compaq 286 Portable	(L) MS™-DOS 3.0	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Compaq Deskpro	(L) MS™-DOS 2.02	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Compaq PC Plus	(L) MS™-DOS 2.1	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Compaq Portable	(L) MS™-DOS 2.1	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

■ ColorPro

1-2-3™, RELEASE 1A (continued)

PRODUCT INFORMATION				HP Plotter(s) Supported		
Computer Model(s)		Operating System(s)	Memory Required			
Convergent N-Gen	(L)	MS™-DOS 2.11	N/S	■ 7470A ■ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Eagle PC-2	(L)	MS™-DOS 1.25	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Grid Compass	(L)	MS™-DOS	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
IBM 3270 PC	(L)	PC-DOS 2.0	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro
IBM AT	(L)	PC-DOS 3.0	N/S	■ 7470A ■ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro
IBM PC/XT	(L)	PC-DOS 2.1	N/S	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	
IBM Portable	(L)	PC-DOS 2.1	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
ITT Xtra	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Leading Edge PC	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Mindset PC	(L)	MS™-DOS 2.0	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
NCR PC IV	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Tandy 1000	(L)	MS™-DOS 2.11	N/S	■ 7470A ■ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Tandy 1200	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Tandy 2000	(L)	MS™-DOS 2.0	N/S	■ 7470A ■ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Televideo Tele-PC	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
TI Pro	(L)	MS™-DOS 1.1	N/S	■ 7470A ■ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Visual Commuter	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Wang Professional	(L)	MS™-DOS 2.01	N/S	■ 7470A ■ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Xerox 6064/6065	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Xerox 6067/6068	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Zenith Z-100	(L)	Z-DOS 1.1	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	
Zenith Z-150	(L)	MS™-DOS 2.11	N/S	■ 7470A □ 7475A □ 7550A	□ 7580B □ 7585B □ 7586B	

1-2-3™, RELEASE 2

LOTUS DEVELOPMENT CORPORATION

55 Cambridge Parkway
Cambridge, MA 02142
(617) 577-8500

Suggested Retail Price \$495
(U.S. List)

1-2-3™ Release 2 is a new version of this popular software for business and professional use. It unites spreadsheet, graphics, and database in one fully integrated package. The spreadsheet is 256 columns by 8192 rows and provides more than 100 mathematical, financial, statistical, and string functions. 1-2-3™ Release 2 provides seven graph types for the effective presentation or analysis of spreadsheet or database information. The powerful database function allows easy data entry, retrieval, query, and sorting using a wide range of criteria.

1-2-3™ Release 2 offers file compatibility with Symphony™ from Lotus, and it has the same spreadsheet functionality as Symphony™ Release 1.1. In addition, 1-2-3™ Release 2 supports Lotus/Intel/Microsoft® expanded memory specification and, with an approved compatible memory board, can address up to four megabytes of additional memory.

1-2-3™ Release 2 offers over 200 on-line help screens, menu-driven English commands, keyboard macros, common file format handling, and complete string manipulation.

Note: ColorPro driver available from World of Lotus on CompuServe.

INTEGRATED/MULTI-FUNCTION

VENDOR SUPPORT INFORMATION

Information Not Available

VENDOR TRAINING INFORMATION

Information Not Available

Support Comment

The Lotus Assurance Plan. Ninety-day warranty. Lotus courseware. Customer service and support: (617) 253-9150.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Portable (L)	MS™DOS 2.0	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS 2.0	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

ACCESS FOUR

SOFTWARE PRODUCTS INTERNATIONAL
10240 Sorrento Valley Road
San Diego, CA 92121
(619) 450-1526

Suggested Retail Price \$350
(U.S. List)

Access Four is a new idea in spreadsheet-based software. Using a powerful virtual spreadsheet as its core, Access Four combines complete graphics capability, data management, and desk organization. Access Four makes use of virtual memory thereby permitting files as large as disk storage will allow. Additionally, Access Four introduces new spreadsheet macros with "built-in" command languages.

The Spreadsheet provides Channel Linking in which four spreadsheets may be viewed and operated on simultaneously. There is topological recalculation and consolidation. Goal Seeking allows the user to set dependent goals and have the Spreadsheet solve the forecast using independent entries. Edit functions include cut, copy, paste and substitute, and MS™-DOS test. A user can print grids with labels, preview, expression dump, and mail and calc merge.

Graphics features include high-resolution printing; a multitude of graph types (pie, bar, line, overlay, and 3D); character graphs; window graphs with 32 windows available; full configuration of color, texture, and size; and slide show capabilities.

Data Management features include sort, extract, delete, find, highlight, and unique on up to 3000 records with 100 fields. Up to 6 fields may be queried.

The Desktop Manager features include calendar; time in three time zones; calculator with trigonometric, statistical, and scientific functions; appointments, business card flip file; note pad; value converter; alarm; and stop watch.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Free initial 60-day support for registered users. Yearly extended support plan available.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

AURA

BPI
3001 Bee Cave Road
Austin, TX 78746
(800) 531-5252

Suggested Retail Price \$595
(U.S. List)

Aura integrated software includes information management, spreadsheets, word processing, and graphics. Among the special capabilities of Aura are the graphics features, which include pie, line, and bar graphs, as well as free-draw diagrams.

Aura is unique among integrated software in offering free-draw diagrams; you can draw logos, schematics, organizational charts, flow charts, and an unlimited number of other illustrations. An interactive menu selection process is used with cursor key movements to draw images on the screen, as with a child's drawing toy. Users have full flexibility in positioning, scaling, rotating, or copying graphs and diagrams. Because the screen can be addressed down to a single pixel, users can produce high-resolution images.

Graphs and diagrams are presentation quality, and plotted output can be color or black and white. Screen presentations can be in color or high-resolution black and white. Aura will take advantage of the full resolution available from the output device.

Graphs can be dynamic or static, to reflect the most recent database information or the data from when the graph was drawn. Also, graphs, diagrams, and text can be combined on a page as a composite image and given a unique name. The package supports three text fonts, six data symbols, seven graph attributes, and eight shading patterns.

INTEGRATED/MULTI-FUNCTION

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Compaq (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CONTEXT MBA™

CONTEXT MANAGEMENT SYSTEMS

23868 Hawthorne Boulevard
Torrance, CA 90505
(213) 378-8277

Suggested Retail Price \$795
(U.S. List)

Context MBA™ is a single software program which includes spreadsheet, graphics, word processing, database management, a forms manager, and telecommunications functions. The six MBA functions all work with the same information — so once information is entered, all program parts have access to it. A change in a spreadsheet immediately changes a displayed graph.

The windowing feature of this integrated software package allows more than one function to appear on screen at the same time — so data can be analyzed easily in several different ways. You can change, sort, and graph results, spot trends, and readjust information until you are satisfied.

The spreadsheet function offers sophisticated modeling aids including high-powered formulas such as net present value, internal rate of return, modified rate of return, and a full set of built-in functions such as if/then, true/false branching, logical operations, and trigonometric functions.

With the graphs function you can create concise, high-impact images to quickly analyze and effectively communicate information. When you modify your spreadsheet data, graphics are redrawn automatically for immediate feedback. The graphs can be plotted and included in printed reports.

Database management helps you organize and retrieve pertinent data on a selective basis. You can store, search, retrieve, and sort information — so it's in the best form to help you make a decision.

The forms manager lets you create office and business forms. This simplifies and organizes the process of entering and retrieving data in complex models and databases, and permits the printing of tailored reports.

The telecommunications capabilities let you access current information from your company's larger computer, other MBA users, or timesharing systems.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Context MBA™ is supported by Hewlett-Packard.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200	(D) Provided	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> 9872
HP Model 310	(D) Provided	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> 9872

ENABLE

THE SOFTWARE GROUP
 Northway 10-Executive Park
 Ballston Lake, NY 12019
 (518) 877-8600

Suggested Retail Price \$695
 (U.S. List)

Enable integrates word processing, spreadsheet, graphics, database management, and telecommunications in one easy-to-learn and easy-to-use product. Its integration is based on a system-wide Master Control Module that contains all services and facilities, and handles functions common to all modules.

With Enable, users can create a spreadsheet from DBMS data; draw graphs from either the spreadsheet or the database; and insert the spreadsheet data, DBMS records and graphs between text in a word processing document. Enable provides an electronic desktop with up to eight separate windows which can be moved, shaped, or zoomed to full-screen size. It allows concurrent operation of one application plus printing plus telecommunications.

One convenient set of commands and menus is used in all applications to facilitate learning the program. Enable is compatible with other microcomputer programs such as Lotus 1-2-3™, MultiMate, dBASE II™, WordStar®, Visicalc®, and EasyWriter.

New features available with Enable version 1.1 include the system-wide Menu Generator and a window to DOS. Also included are automatic table of contents and indexing; multi-column copy and move in the word processing module; user-configurable worksheets and 1-2-3™ macro support in the spreadsheet; and Verify, Merge, and Update commands as well as greatly expanded record size in DBMS.

INTEGRATED/MULTI-FUNCTION

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-Free customer assistance. Two Enable updates — \$95.00. Subscription Plan, Enable newsletter.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Dealer Training Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B
Compaq Deskpro (L)	MS™-DOS	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B
Compaq Plus (L)	MS™-DOS	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B
Compaq Portable (L)	MS™-DOS	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B
Epson QX76 (L)	N/S	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B
Ericsson PC (L)	MS™-DOS	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B
IBM PC/XT (L)	MS™-DOS	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B
IBM Portable (L)	MS™-DOS	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B
Zenith Z-150/160 (L)	N/S	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A □ 7580B □ 7585B □ 7586B

ENCORE!

FEROX MICROSYSTEMS, INC.
 1701 North Fort Meyer Drive — Suite 1205
 Arlington, VA 22209
 (703) 841-0800

Suggested Retail Price \$895
 (U.S. List)

Encore! is a powerful financial modeling and graphics system. With over 50 mathematical, financial, and scientific functions, and 50 reporting and 150 EXEC programming commands, Encore! is well-suited to budget planning and control, corporate consolidations, cash flow forecasting, "what-if" analysis, merger/acquisition analysis, financial reporting and projecting, marketing forecasts, and more.

There are over 10 different graph types including vertical and horizontal bar charts, Gantt charts, stacked bar charts, floating bar charts, side-by-side bar charts, line graphs, shaded line graphs, scatterplots, and pie charts. Users can specify titles, scaling, labels, legends, tic marks, grid lines, colors, and quadrants. Graphs may also be edited with text and special characters.

Graphs are generated using data from the spreadsheet matrix, through menu selections or through commands stored in an EXEC file. Data may be entered into the spreadsheet directly from the keyboard, or from any outside ASCII file.

The graphs may be sent to a monochrome or color monitor, or a printer for preview. Encore! even provides task automation abilities so that the HP 7550A plotter can produce unlimited graphs unattended.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone support is available 9:00 a.m. to 6:00 p.m. (Eastern time) with immediate response to customer problems.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available through training seminars or on a one on one basis in Arlington or at customer site.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Compaq (L)	DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Deskpro (L)	DOS	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Plus (L)	DOS	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	DOS	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC (L)	DOS	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC-XT (L)	DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

FRAMEWORK II

ASHTON-TATE
 20101 Hamilton Ave.
 Torrance, CA 90502-1319
 (213) 329-8000

Suggested Retail Price \$695
 (U.S. List)

Framework II is for professionals who work with both words and numbers. In one software package you get word processing, spreadsheets, and more . . . outlining, data management, telecommunications, graphics and access to DOS and other programs.

Easy to learn and use, Framework II has documentation and on-disk tutorials designed to make you productive in the shortest time possible. You can efficiently use one consistent set of simple commands for all these functions.

Word processing has all the features you'd expect in a top-notch word processor, plus an 80,000 word spelling checker that checks your spreadsheets too, built-in mailmerge and label printing.

Spreadsheets give you the power to work with a lot of numbers and the flexibility to manipulate them any way you want. You can create spreadsheets up to 32,000 by 32,000 cells, link spreadsheets together, have several on the screen at once, or copy one into another.

Outlining helps you keep your words, numbers, and graphs organized. Data management can put information at your fingertip. Graphics help give your numbers visual impact. And telecommunications is built-in so you can easily send and receive information.

INTEGRATED/MULTIFUNCTION

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Other support services include a monthly technical newsletter and on-line support. Special phone support available for authorized dealers and training centers.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Ashton-Tate can respond to training needs with classes from introductory to advanced.

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300	(L)	PC-DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq 286 Deskpro	(L)	PC-DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Deskpro	(L)	PC-DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Corona PC	(L)	PC-DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Data General One	(L)	PC-DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 3270 PC	(L)	PC-DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L)	PC-DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L)	PC-DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

GRAPHPLAN

CHANG LABORATORIES, INC.
 5300 Stevens Creek Boulevard — Suite 200
 San Jose, CA 95129
 (408) 246-8020

Suggested Retail Price \$295
 (U.S. List)

As a truly integrated spreadsheet and graphics package, GraphPlan gives you all the power of a fast, easy spreadsheet and full business graphics capability, all for the price of some spreadsheets alone.

The program resides on one disk and a menu of built-in formulas guides you through fast data entry, data analysis, quick graphic display, and printing or plotting the chart. No need to freeze the data or to switch disks before plotting.

The spreadsheet has built-in formulas for statistical smoothing, moving averages, ranking, sorting, and more. The graphics options include selection of color, shading, patterns, symbols, linear and logarithmic scaling, exploded pie, line and bar combined charts, multiple charts on a page, and much more.

GraphPlan's single-disk integration, powerful spreadsheet, and flexible graphics make it stand out in its class. Add the fact that it is easy enough for a novice and priced comparable to some of the simple spreadsheets, and GraphPlan is truly unique.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free number for dealer consulting and support.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC	(D) MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC Rainbow	(L) CP/M® 86	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Epson QX10	(L) CP/M® 80	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC	(L) PC-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR Decision Mate V	(L) CP/M® 86	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR Decision Mate V	(L) MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
TI Pro	(L) CP/M® 86	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

OPEN ACCESS

SOFTWARE PRODUCTS INTERNATIONAL, INC.
 10240 Sorrento Valley Road
 San Diego, CA 92121
 (619) 450-1526

Suggested Retail Price \$695
 (U.S. List)

Open Access is an integrated microcomputer software package consisting of information management, advanced spreadsheet, graphics, word processing, appointment scheduling, and telecommunications. All modules are built around a relational database management system enabling Open Access to be extremely rich functionally and at the same time, very easy to learn and use. Open Access modules may exchange data with each other through an SIF file, or other programs which write out DIF files. ASCII files may be downloaded from a mini or mainframe host computer and then converted to DIF files.

The Information Manager is a relational database management system featuring advanced functionally and simple-to-use English-like commands. This module allows you to easily tailor database files, screen layout files, and report layout files to fit the needs of your application.

The spreadsheet is the first of a new generation of spreadsheet modules. This spreadsheet not only includes the normal what-if processing, but it also includes how-can processing. This is accomplished through the goal-seeking function.

With the graphics module, you may take raw numeric data and create beautiful color bar graphs, pie charts, and line graphs, or 3D bar graphs; overlay bar and line graphs on top of each other or separated into windows.

Word processing provides you with a complete text editing and text formatting system. Text can be easily typed in and edited as necessary and then printed out in a variety of formatting options.

The communications module allows you to communicate with the outside data processing world and allows you to bring in data from another source into the Open Access environment and vice versa.

The time manager enables you to enter appointments and then list them on a day-at-a-glance screen. It will warn you of schedule conflicts but will allow you to overlap appointments with your approval.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

Free initial 60-day support for registered users. Yearly extended support plan available at minimum cost.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC	(D) MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apricot	(L) MS™-DOS	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Corona	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 2000, 1000, 1200	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
TI Pro	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

INTEGRATED/MULTI-FUNCTION

PC/FOCUS

INFORMATION BUILDERS, INC.
1250 Broadway
New York, NY 10001
(212) 736-4433

Suggested Retail Price \$1595
(U.S. List)

PC/Focus is a complete database and application development system. It is the functional equivalent of mainframe Focus, the popular Fourth Generation Language and database management system for mainframe computers.

PC/Focus can be used for small to extremely large database applications that require quick updating of one or many databases simultaneously. Sophisticated business oriented applications that cannot easily be done with a flat, relational database system can be accomplished quickly and easily with the "Relational +" capabilities of PC/Focus. "Relational +" databases can be simple relational tables or more complex hierarchical structures depending on the needs of the application.

PC/Focus also includes the Focus nonprocedural Fourth Generational Language, the powerful screen text editor TED, a full graphics package, a Formal Statistics Package, a Financial Reporting Language, and a Micro-Mainframe Communications Package to share information with mainframe Focus.

Also included in PC/Focus is the powerful Report Writer with TableTalk. The PC/Focus Report Writer enables you to make queries and create simple or complex reports as easily as if you were writing a memo. Using simple English commands such as LIST, PRINT, SUM, or COUNT, PC/Focus's nonprocedural language has the flexibility to handle all your reporting requirements such as sorting, record selection, and formatting — all with on-line help and error-correction facilities.

PC/Focus's unique Table/Talk Window Manager makes the novice immediately productive, because it leads the user through the creation of a report using a series of tiled and pop-up windows. Based on artificial intelligence concepts, TableTalk not only eliminates typing, but it helps you learn the Focus language.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

A 90-day hotline support is included with PC/Focus. An Extended Maintenance Service program is available on a yearly basis.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Computer-based training is available.

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC	(D)	NS™-DOS	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq PC Plus	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Corona PC	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 1200	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
TI Pro	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Wang Professional	(L)	MS™-DOS	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith Z-150	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SMART SOFTWARE SYSTEM

INNOVATIVE SOFTWARE, INC.
 9300 West 110th Street — Suite 380
 Overland Park, KS 66210
 (913) 345-2424

Suggested Retail Price \$895
 (U.S. List)

The Smart Software System is a modular integrated package consisting of the Smart Word Processor, the Smart Data Manager, and the Smart Spreadsheet with Graphics. Each module is built around its own data structure, maintaining the full-featured, uncompromising capabilities of each application. Communications and Time Manager are built into each standalone module. Each program is powerful enough to compete as a standalone in its respective category, yet integrates smoothly and naturally with its Smart counterparts allowing users to move effortlessly from one application to another.

The word processor features include unlimited document size, the ability to hold multiple documents in memory simultaneously, on-screen cut-and-paste, visible margins and tabs, undelete, built-in mail merge, and custom application programming with Project Processing and the Smart Programming Language.

The data manager offers a large database (1,000,000 records per file, 255 fields per record, 1000 characters per field, 4096 characters per record), 15 key fields maintained for sorting with 15 minor fields per key, 25 on-screen windows, relational file data transfers, lookups, transactions, new file creation based on the contents of two other files, and custom designed data entry screens and menus.

The spreadsheet with graphics is fast; it supports Intel 8087 & 80287 math co-processors. It has a large spreadsheet capacity, 9999 rows by 999 columns, and can hold multiple spreadsheets in memory at once. Features include 25 on-screen windows, relational spreadsheets, full calculation and decision-making capabilities, 18 basic graph types with 78 permutations, 16 colors, and 14 fill patterns.

The Smart Spreadsheet with Graphics supports over 40 medium- and high-resolution monitors and graphics devices, including HP plotters. You can draw up to four graphs on a page, or create a custom on-screen slide show.

The Smart Software System reads and writes 1-2-3™ files.

INTEGRATED/MULTIFUNCTION

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apricot (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Data General One (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 2000 (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SUPERCALC³

COMPUTER ASSOCIATES INTERNATIONAL, INC.
 2195 Fortune Drive
 San Jose, CA 95131
 (408) 942-1727

Suggested Retail Price \$395
 (U.S. List)

SuperCalc³ is a highly sophisticated, easy-to-use financial tool. It is the ideal spreadsheet for professional managers whose responsibilities include complex financial and numeric analysis. SuperCalc³ helps solve modeling and forecasting problems, then produces presentation-quality graphics that help you make decisions faster. And now, with Release 2 (available for the IBM PC), you can use 9999 rows by 127 columns — over 1.25 million spreadsheet cells.

SuperCalc³ graphics are the high-resolution, integrated graphics you want. You can create eight types of graphs: line, bar, stacked bar, pie and exploded pie charts, X-Y, area, and hi/lo. Using your choice of eight font types and up to 99 colors, you can print as many as four charts on the same page. A single keystroke gets your plotter going.

Hundreds of thousands of managers, accountants, and planners use our SuperCalc programs every day. They know how easy these programs are to work with. We've made SuperCalc³ just as easy, with the same single-keystroke commands. New financial functions such as internal rate of return, loan payments, and future and present value make SuperCalc³ work for you. And now we have data search and extraction also. You can use any existing SuperCalc or SuperCalc² files, and VisiCalc[®] logic and data files can be converted for use. In Release 2, 1-2-3[™] from Lotus[™] files can be converted for use with SuperCalc³.

Plus, it takes significantly fewer keystrokes to build your models and graphs in SuperCalc³ than in other spreadsheets, you finish sooner and get a lot more done.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
ACT Apricot	(L) MS [™] -DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300	(L) MS [™] -DOS	96K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq	(L) MS [™] -DOS	96K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC Rainbow	(L) MS [™] -DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Fujitsu 16S	(L) MS [™] -DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC	(L) PC-DOS	96K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR Decision Mate V	(L) MS [™] -DOS	96K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NEC APC III	(L) MS [™] -DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Polo	(L) MS [™] -DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
TI Pro	(L) MS [™] -DOS	96K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SYMPHONY™, RELEASE 1.0

LOTUS DEVELOPMENT CORPORATION

55 Cambridge Parkway
Cambridge, MA 02142
(617) 577-8500

Suggested Retail Price \$695
(U.S. List)

Symphony™ is a comprehensive management tool for organizing, analyzing, and presenting information and ideas. Symphony™ has five integrated functions: word processing for written communications and reports; spreadsheet for data analysis and business planning; forms-oriented database for organizing, sorting, and retrieving information; communications to access other personal computers, on-line services, and mainframe databases; and graphics to visually summarize and present data.

Symphony™ has a built-in programming tool, the Symphony™ Command Language, which enables users to develop sophisticated applications. Symphony™'s open-ended design permits further customization of the product through Symphony™ Add-Ins — companion products that work with Symphony™. In addition, Symphony™ features window management, and its "Learn Mode" makes it easy to create keystroke macros.

The product includes an interactive modular tutorial and context-sensitive help screens which are cross-referenced to the documentation. Documentation includes: Introduction, How-To Manual, Reference Manual, Glossary, and Quick Reference Guide.

Note: ColorPro driver available from World of Lotus on CompuServe.

INTEGRATED/MULTIFUNCTION

VENDOR SUPPORT INFORMATION

Information Not Available

VENDOR TRAINING INFORMATION

Information Not Available

Support Comment

The Lotus Assurance Plan. Ninety day warranty. Customer service and support: (617) 253-9150.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS 2.11	N/S	■ 7470A □ 7580B ■ ColorPro ■ 7475A □ 7585B ■ 7550A □ 7586B
Canon Athena (L)	MS™-DOS 2.11	N/S	■ 7470A □ 7580B ■ 7475A □ 7585B ■ 7550A □ 7586B
Columbia MPC (L)	MS™-DOS 2.11	N/S	■ 7470A □ 7580B ■ 7475A □ 7585B ■ 7550A □ 7586B
Compaq 286 Portable (L)	MS™-DOS 3.0	N/S	■ 7470A □ 7580B ■ ColorPro ■ 7475A □ 7585B ■ 7550A □ 7586B
Compaq Deskpro (L)	MS™-DOS 2.11	N/S	■ 7470A □ 7580B ■ ColorPro ■ 7475A □ 7585B ■ 7550A □ 7586B
Compaq Portable (L)	MS™-DOS 2.0	N/S	■ 7470A □ 7580B ■ ColorPro ■ 7475A □ 7585B ■ 7550A □ 7586B
DEC Rainbow 100 (L)	MS™-DOS 2.11	N/S	■ 7470A □ 7580B ■ 7475A □ 7585B ■ 7550A □ 7586B
Eagle PC-2 (L)	MS™-DOS 2.11	N/S	■ 7470A □ 7580B ■ 7475A □ 7585B ■ 7550A □ 7586B
Eagle Turbo XL (L)	MS™-DOS 2.11	N/S	■ 7470A □ 7580B ■ 7475A □ 7585B ■ 7550A □ 7586B
Grid Case w/5.25" Drive (L)	MS™-DOS 2.11	N/S	■ 7470A □ 7580B ■ 7475A □ 7585B ■ 7550A □ 7586B

SYMPHONY™, RELEASE 1.0 (continued)

				PRODUCT INFORMATION		
Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported		
IBM AT	(L)	PC-DOS 3.0	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	<input checked="" type="checkbox"/> ColorPro
IBM PC/XT	(L)	PC-DOS 2.0	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	<input checked="" type="checkbox"/> ColorPro
ITT Xtra	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	
Leading Edge PC	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	
NCR PC IV	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	
Sperry PC	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	
Tandy 1200	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	
Visual Commuter	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	
Xerox 6064/6065	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	
Xerox 6067/6068	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	
Zenith Z-150	(L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A	<input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B	

SYMPHONY™, RELEASE 1.1

LOTUS DEVELOPMENT CORPORATION

55 Cambridge Parkway
Cambridge, MA 02142
(617) 577-8500

Suggested Retail Price \$695
(U.S. List)

Symphony™ is a comprehensive management tool for organizing, analyzing, and presenting information and ideas. Symphony™ has five integrated functions: word processing for written communications and reports; spreadsheet for data analysis and business planning; forms-oriented database for organizing, sorting, and retrieving information; communications to access other personal computers, on-line services, and mainframe databases; and graphics to visually summarize and present data.

Symphony™ has a built-in programming tool, the Symphony™ Command Language, which enables users to develop sophisticated applications. Symphony™'s open-ended design permits further customization of the product through Symphony™ Add-Ins — companion products that work with Symphony™. In addition, Symphony™ features window management and its "Learn Mode" makes it easy to create keystroke macros.

Symphony™ Release 1.1 enhancements include a streamlined install program, documentation that takes a step-by-step approach, and an electronic tutorial — all designed to simplify initial learning and day-to-day use. In addition, Symphony™ now supports more than 4MB of expanded memory. A new Macro Library Manager makes macros and Command Language applications available from any worksheet. And support for the Intel 8087 and 80287 co-processors provides added speed for high-speed, math-intensive applications.

The product includes an interactive modular tutorial and context-sensitive help screens which are cross-referenced to the documentation.

Note: ColorPro driver available from World of Lotus on CompuServe.

INTEGRATED/MULTIFUNCTION

VENDOR SUPPORT INFORMATION

Information Not Available

VENDOR TRAINING INFORMATION

Information Not Available

Support Comment

The Lotus Assurance Plan. Ninety-day warranty. Lotus courseware. Customer support and service: (617) 253-9150.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC (D)	MS™-DOS 2.01	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Deskpro (L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Portable (L)	MS™-DOS 2.11	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 3270 PC (L)	PC-DOS 2.0	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS 3.0	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PCjr (L)	PC-DOS 2.1	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS 2.0	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
ACX VM Printer Manager	ACX Software	11-3
ASYST	Macmillian Software Company	7-3
DSG/250	Hewlett-Packard Company	2-15
GrafTalk	Redding Group, Inc.	2-29
MacPlot Standard	Microspot	11-15
Plot It	Collins & Associates	10-17
Plotstart	SoftStyle, Inc.	11-21

PRESENTATION GRAPHICS

**Packages that are primarily used for
creating pie, bar, and line charts**



4-POINT GRAPHICS

INTERNATIONAL MICROCOMPUTER SOFTWARE, INC.

1299 Fourth Street
San Rafael, CA 94901
(415) 454-7101

Suggested Retail Price \$195
(U.S. List)

4-POINT GRAPHICS is an easy-to-use yet powerful presentation graphics program. It allows full-color and creative animation. Circles, boxes, ellipses, polygons, and multicolored drawings can be manipulated in many ways. Applications include business presentations, professional graphics design, illustration, home entertainment, education, and training development.

4-POINT's Business Graphics Interface can take any chart, graph, or picture made with programs like 1-2-3™ from Lotus and transform it into a creative business presentation. 4-POINT GRAPHICS supports output to over 15 printers and the HP 7470A and 7475A graphics plotters. It also supports input from most popular mice and digitizing tablets.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Support given free for 30 days. Thereafter, 15% of suggested retail price charged on an annual basis.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

Distributor Training Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PCjr (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

ANALECT DSS GRAPHICS

DIALOGUE, INC.
 19 Rector Street
 New York, NY 10006
 (212) 425-2665

Suggested Retail Price \$9,500-28,000
 (U.S. List)

ANALECT DSS Graphics combines the ease-of-use demanded by managers for their business charts with the advanced graphics features and analytical tools required by technical users. The system allows users to locate or move graphs, legends, or text with a light pen, mouse, or other locator device.

ANALECT DSS Graphics integrates chart graphing (pie, bar, line, X-Y, histograms and text) and advanced drawing capabilities (maps, corporate logos, polygons, contours, and 3D drawing) with a full range of data calculations, analysis, and forecasting techniques.

With one ANALECT command, a user can load data from a sequential file or from a micro spreadsheet program. Its data unload utility handles complex databases of unlimited size. In addition, ANALECT DSS Graphics features a procedural language to build a personalized system which prompts in a user's own terminology.

ANALECT DSS Graphics may be fully integrated into Dialogue's comprehensive ANALECT Decision Support System. This full system features other support capabilities: statistical and multi-dimensional analysis, report writing, financial modeling, relational database management, and application building.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

A full set of documentation is available. Telephone Hotline.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available either on-site or at Dialogue offices.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DEC (L)	DEC 20/VMS	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX (L)	TOPS	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	CMS, TSO	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Prime (L)	Primos	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

AUTUMN

ZENOGRAPHICS, INC.

19752 MacArthur Boulevard — Suite 250

Irvine, CA 92715

(714) 851-6352

Suggested Retail Price \$395-\$995
(U.S. List)

Autumn is the easy way to produce your presentation-quality business graphics. Users can select from over 100 charts in the Autumn Chartbook, answer a few simple questions, and have a chart ready in seconds. For computer novices and casual graphics users and managers, Autumn provides a fast way to produce high-quality graphics.

An additional option is the EGO graphics editor. With EGO, users can add, delete, insert, move, fill, color, scale, rotate, rubberstamp, sort, zoom, modify, thicken, or lighten any picture from Autumn.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free hotline available to all registered customers.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

BOARDROOM GRAPHICS

ANALYTICAL SOFTWARE, INC.
 10939 McCree Road
 Dallas, TX 75238
 (214) 340-2564

Suggested Retail Price \$150
 (U.S. List)

Boardroom Graphics is a menu-driven software package designed to help managers or secretaries generate quality, affordable graphs within minutes. You can input data directly or link to sophisticated databases; either way, the results will appear quickly, as on-screen graphics, hardcopy plots, or overhead transparencies, ready for your presentation.

Boardroom Graphics is flexible. You can choose from single or clustered bar charts; 3D graphics; scattergrams; linear regressions; curvilinear or linear trend lines; pie, line, and text charts; X-Y plots; or organizational charts. Also, you can produce daily, monthly, quarterly, or annual charts with a flexible number of periods and variables plotted; tie into numerous databases on your personal or mainframe computer, including Visicalc®, 1-2-3™ from Lotus, Multiplan®, BASIC, and the Financial Analyst; store up to 120 graphs on one 320K byte double-sided disk; and automatically scale, label, and select color/shading options for your graphs.

Boardroom Graphics gives you the flexibility to print text in any size, any direction, anywhere on your plot. And you can print multiple graphs on a page.

Also, Boardroom Graphics is simple to use. On-line prompts guide you through the many options, and a user's guide contains easy lessons for making graphs. Boardroom Graphics provides default settings for immediate graphs, and you can input data item by item or set growth rates.

Analytical Software, Inc. is an agent for MCI Mail and for only \$225 you can purchase Boardroom Graphics, the Executive Assistant, and receive your MCI Mailbox. For one low price you can have word-processing, database management, communications, electronic mail, and Boardroom Graphics.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training on MCI Mail and Boardroom Graphics.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Deskpro (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Portable (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
ITT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Leading Edge (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Sperry (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Televideo (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

BPS BUSINESS GRAPHICS

BUSINESS AND PROFESSIONAL SOFTWARE, INC.

143 Binney Street
Cambridge, MA 02142
(617) 491-3377

Suggested Retail Price \$350
(U.S. List)

BPS Business Graphics is an easy-to-learn graphics software package that runs on many popular personal computers. With this powerful decision support tool, you can customize standard graphic formats and generate hardcopy charts on paper or on transparency material.

BPS Business Graphics saves you time. You can experiment with graph layouts on the screen, then build standard formats to instantly graph revised data.

This easy-to-use software relies on English commands like "draw bar," "draw pie," and "draw line." Default settings create charts with a minimum of commands. Almost anyone can learn the program in minutes — no special training needed.

BPS Business Graphics handles the data you already have: BPS accesses 1-2-3™ files, reads accounting reports, and extracts data from word processing documents. Of course, you can also manually enter or edit data manually from applications.

And BPS Business Graphics is flexible. Draw pies, multiple bars, horizontal bars, dashed lines, grid lines, or make overlays with multiple graphic formats. Place horizontal or vertical titles anywhere on the page. Standard formats control ranges, shapes, overlays, and colors. With BPS you can perform regressions, curve fitting, or curve plotting.

BPS Business Graphics is marketed under the following names: Apple II Business Graphics, Apple III Business Graphics, Wang Professional Computer Business Graphics, Sperry Business Graphics, and BPS Business Graphics.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> 7221
IBM PC/XT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> 7221
NEC APC III (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Sperry PC (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
TI Pro (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Wang Professional (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

CHARTING GALLERY

HEWLETT-PACKARD COMPANY
10520 Ridgeview Court
Cupertino, CA 95014
(408) 725-8111

Suggested Retail Price \$265
(U.S. List)

Charting Gallery is a presentation graphics package that allows customers to create pie, bar, and line charts automatically from any data, including data from spreadsheets like 1-2-3™ and dBASE II™. Charting Gallery can be used independently or together with Drawing Gallery and Executive MemoMaker to provide integrated text and graphics.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)

HP Touchscreen PC (D)

Operating System(s)

MS™-DOS

Memory Required

256K

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro

CHART-MASTER

DECISION RESOURCES, INC.
 25 Sylvan Road, South
 Westport, CT 06880
 (203) 222-1974

Suggested Retail Price \$375
 (U.S. List)

Chart-Master is a powerful, flexible, and easy-to-use business presentation graphics software package.

Chart-Master is powerful. You can plot your data in any format; clustered bar, stacked bar, horizontal or vertical bars, line or area, segmented pies, proportional pies, scatter, hi/lo/close. You can produce charts on your color or monochrome screen, and get hardcopy output on either paper or transparencies using your Hewlett-Packard plotter. Using the HP 7510 film recorder and Chart-Master, you can also generate 35-mm slides. Chart-Master's many options give you the power to customize your charts: eight hatch patterns, eight line types, eight symbols; floating labels, placed anywhere on your chart; logarithmic Y-axis and trend lines; left and/or right Y-axis, automatic or user-scaled; grid line, framing, and footnote choices.

Chart-Master's flexibility lets you enter data either manually or from VisiCalc®, 1-2-3™, or other DIF files. And you can place a chart anywhere on the page — up to nine charts per page. You can edit data, labels, or options easily — without starting over. Plus, you can specify up to eight fonts and 16 type sizes for all chart titles and labels.

Best of all, Chart-Master is easy to use. A series of menus guides you smoothly through the creation of charts. Default settings let you produce standard charts instantly. And a comprehensive manual with "A Five Minute Lesson" and a Chart-Master hotline back you up every step of the way.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Optional maintenance plan for automatic updates and a monthly customer newsletter.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

On-site training for national accounts.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq Deskpro (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq PC Plus (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq Portable (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM 3270 PC (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM AT (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM PC/XT (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221

CHARTSTAR™

MICROPRO INTERNATIONAL CORPORATION

33 San Pablo Avenue
San Rafael, CA 94903
(415) 499-1200

Suggested Retail Price \$395
(U.S. List)

ChartStar™ is a presentation graphics system designed to meet all the needs of the office. ChartStar can produce a wide variety of chart types: text charts with nine font styles; four types of pie charts, including 3D; six types of line charts with either linear or logarithmic scales; scatter charts; curve-fitting charts using linear, logarithmic, exponential, or power functions; Gantt charts with up to five time scales for project management; and organizational charts.

ChartStar™ is easy-to-learn and simple to use because it has no commands or special key sequences to learn, and has context-sensitive HELP; ChartStar™ uses function keys, on-screen menus, and predesigned input forms to enter data.

You can preview all charts before you plot them to be sure you have the most effective presentation of your information. You can even have an on-screen slideshow by displaying a series of charts on the screen.

ChartStar™ can also read data from MicroPro's Calc Star™, PlanStar™, and InfoStar™ programs, and from other popular programs such as SuperCalc®, Multiplan®, 1-2-3™ from Lotus, VisiCalc®, and any DIF file.

ChartStar™ can plot on paper or overhead transparency film.

VENDOR SUPPORT INFORMATION

Information Not Available

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)

IBM PC (L)

Operating System(s)

PC-DOS

Memory Required

192K

HP Plotter(s) Supported

■ 7470A □ 7580B ■ 7220
■ 7475A □ 7585B
□ 7550A □ 7586B

CORGRAPH

CORTEX CORPORATION

55 William Street
Wellesley, MA 02181
(617) 237-2304

Suggested Retail Price \$400
(U.S. List)

Cortex Corgraph, a business graphics package running on Digital Equipment Corporation Pro 350/POS hardware, is an on-line, interactive, and device independent software package for nontechnical end users.

Cortex Corgraph converts corporate data into transparencies or hardcopy using a variety of graphics designs and lettering styles. Multicolor line plots, hi/lo plots, scatter diagrams, horizontal and vertical bar charts, pie charts, and text charts can be created interactively from a terminal or by accessing existing ASCII or DIF data files. Cortex Corgraph is menu driven, includes six lettering styles, and has interactive floating text capability. Text styles include script, Gothic, Roman, standard, and italic, and has 12-line and shading pattern options.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DEC Pro 350, 380 (L)	p-System®	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

DATA GRAPHER/200

HEWLETT-PACKARD/FORT COLLINS
3404 East Harmony Road
Fort Collins, CO 80525
(303) 226-3800

Suggested Retail Price \$295
(U.S. List)

Data Grapher is a data-driven graphics package that turns numbers and functions into graphs and charts quickly and easily with just a few inputs. Graph formats include log-log, semi-log, linear, and two or four quadrants. Data Grapher also creates scattergrams and clustered or stacked bar charts. Data Grapher 200 integrates with HP TechWriter or HP Engineering Graphics System.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	Standalone	512K	■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 9872
HP Model 310 (D)	Standalone	260K	■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 9872

DI-3000

PRECISION VISUALS, INC.
 6260 Lookout Road
 Boulder, CO 80301
 (303) 530-9000

Suggested Retail Price \$5000-\$26,500
 (U.S. List)

DI-3000 is an integrated system of graphics software tools. Developed as a package of user-callable subroutines, it is both device and machine independent. The system offers a comprehensive set of features for developing graphics applications, including full-color, complete 3D, area fill and patterning, graphic-arts quality text, snapshot debugging, and picture metafile. DI-3000 also supports a wide range of interactive development tools for digitizing, menu functions, and computer-aided design. DI-3000's design is based on networking structure, making the system ideal for multitask and distributed processing environments. The network permits application program interaction with several graphics devices concurrently. Using intelligent device drivers, it also takes advantage of the hardware features of the graphics.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Award-winning documentation and on-site and in-house training.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 3000 (D)	MPE	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
CDC (L)	NOS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Data General (L)	AOS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC 10, 20 (L)	TOPS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX (L)	VMS, UNIX™	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Honeywell (L)	GC053, CP-V	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	VM, MVS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Prime (L)	Primos	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

DISSPLA

ISSCO
10505 Sorrento Valley Road
San Diego, CA 92121
(619) 452-0170

Suggested Retail Price \$10,400-\$90,000
(U.S. List)

DISSPLA is a high-powered library of FORTRAN subroutines used by programmers to produce professional, publication quality graphics for scientific, engineering, and business applications.

DISSPLA supports more than 40 operating systems and more than 220 output devices, including terminals, plotters, COM devices, and color copiers. DISSPLA is easily integrated into application programs in business, science, and engineering industries. DISSPLA supports full 2D and 3D plotting of charts, linear graphs, pie charts, mapping, and surfaces with a full range of axis types and complete annotation facilities.

DISSPLA was introduced in 1970 and is used at more than 1300 sites.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Complete education program offered in regional and on-site classes.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 9000	(L) HP-UX	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC 10, 20	(L) TOPS 10, 20	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC VAX 730; 750/780	(L) N/S	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Honeywell 66/68	(L) MULTICS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM 30XX	(L) MVS/CMS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM 4331	(L) MVS/CMS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
MicroVAX II	(L) VMS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Prime 2250;150-850	(L) Primos 19	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

DSG/250

HEWLETT-PACKARD GMBH
Herrenberger Strasse 130
7030 Boblingen, Federal Republic of Germany
(49) 7031 14-0

Suggested Retail Price \$900
(U.S. List)

HP 250 Decision Support Graphics (DSG/250) is an interactive application for creating charts and graphs using the HP 250 or 260 small business computer systems with HP plotters. Many chart types are supported: pie, bar, line, deviation, and scattergram. Charts can be drawn on paper or transparency film. DSG/250 makes full use of the HP 250's and 260's Graphics Plotting Library features. A menu and softkey-driven format make DSG/250 easy to learn and easy to use.

DSG/250 can be used from all HP 250 and 260 workstations. Up to 11 users can access DSG/250; use is subject only to the availability of plotters.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 250 (D)	Native	N/S	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP 260 (D)	Native	N/S	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

DSG/3000

HEWLETT-PACKARD COMPANY
10520 Ridgeview Court
Cupertino, CA 95014
(408) 725-8111

Suggested Retail Price \$6300
(U.S. List)

HP's DSG/3000 is designed for the more technically sophisticated user in the office or the EDP professional who needs flexibility in chart design, data file access, and/or programmatic access to the full capabilities of the product for periodic generation of charts.

DSG/3000 can improve the productivity of your organization by significantly reducing the time spent in the manual preparation of charts and increasing the use of graphics in your organization.

HP Decision Support Graphics/3000 (DSG/3000) is a graphics software subsystem for the HP 3000 that provides an interactive user interface to design, produce, and save scattergrams, line, pie, and bar charts drawn from numerical information. With its high-level program intrinsic, DSG/3000 can enhance a program which periodically generates reports to include customized charts to clarify data or emphasize a point. Charts created with DSG/3000 may be plotted on paper or overhead transparency film, or merged with a textual document for printing.

DSG/3000 features include a flexible, fill-in-the-blank user interface; highly flexible chart design; high-level program intrinsic for total flexibility; flexible workstation configurations; data entry from any HP 3000 tabular file or via the keyboard; and data transformation, subsetting, and file qualification capabilities. With DSG/3000, you can enhance HPEASYCHART charts, include charts in HPDRAW for full flexibility in visual aid production; merge charts with textual documents, and plot on a variety of output media including plain paper, glossy presentation paper, and overhead transparency film.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required
HP 3000 (D)	MPE	1MB

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro

ENERCHART

ENERTRONICS RESEARCH, INC.
 150 North Meramec — Suite 207
 St. Louis, MO 63105
 (314) 725-5566

Suggested Retail Price \$395
 (U.S. List)

Enertronics has developed an outstanding charting program called EnerChart. Getting the point across through effective business charts is the goal when giving presentations; EnerChart allows this process to take place quickly and simply. Data can be created and displayed via 3D pie, bar, and line charts; text charts; scatter charts, and hi/low/close charts. All functions of creating charts have been developed with simplicity and versatility.

All charts may be edited to change an array of options such as font styles, title lines, colors, eight shading patterns, and three additive line shading options. Also offered are help screens and a quick reference guide to run the program, as well as helpful suggestions for professional looking presentation charts. EnerChart also offers a new merge feature allowing up to four charts on a screen display with output to popular printers and plotters. Additionally, you may select eight frame styles to border your charts.

The corporate user will also enjoy the conversion of spreadsheet data into the EnerChart charting program. Data files stored in the DIF format from Lotus 1-2-3™, VisiCalc® or in the MPP format from MultiPlan® may be used to create the total picture for business presentations.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Customers can phone (800) 325-0174 for technical support and information.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
Compaq	(L)	MS™DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Columbia Plus	(L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Columbia Portable	(L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT	(L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT	(L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Sperry PC	(L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

PRESENTATION GRAPHICS

EXECUTIVE DATA DISPLAY SYSTEM

CORTEX CORPORATION

55 William Street
Wellesley, MA 02181
(617) 237-2304

Suggested Retail Price \$7500
(U.S. List)

EDDS is a business presentation software product that displays corporate data using a variety of graphic designs. It is device-independent, on-line, and user-friendly, and it runs on the VAX-11 computer systems.

Using a selection of 14 lettering styles, EDDS transforms data into quality, multicolored line plots, hi/lo/close plots (up to 10 variables per plot), scatter diagrams, horizontal and vertical bar charts, and pie charts. Standard text may be displayed in a variety of lettering styles that include Roman, Greek, italic, Gothic, and script.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DEC VAX (L)	VMS	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

EXECUTIVE PICTURE SHOW

PC SOFTWARE

9120 Gramercy Drive — Suite 416
 San Diego, CA 92123
 (619) 571-0981

Suggested Retail Price \$245
 (U.S. List)

Executive Picture Show can create free-form graphics, business graphics, slideshow presentations, and animated presentations quickly and easily. With Executive Picture Show, you can design logical animated presentations using literally hundreds of different screens and graphs which can run for hours at a time. Not only can you design these animated presentations, Executive Picture Show can act upon viewer input from the keyboard — letting your audience become a part of your presentations.

Executive Picture Show was designed with you in mind. Executive Picture Show cuts through all the computer-ese to simplify instructions and prompts you throughout the program. Many steps have been reduced to single key commands and a handy reference card has been included to help you get your show on the road.

Executive Picture Show gives you the capability of outputting your slideshow and drawings to a printer or plotter. A unique feature of Executive Picture Show is the "plotting of a scenario." In this mode, free-form graphics, word charts and graphs are created on the plotter using the plotters resolution, rather than the being limited to the resolution of the screen.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Burroughs ET-2000 (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Eagle (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC Portable (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Televideo (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

FINGRAPH II

GRAPHIC M*I*S, INC.
 960 Clock Tower Drive — Suite C
 Springfield, IL 62704
 (217) 793-0884

Suggested Retail Price \$595-\$3000
 (U.S. List)

Fingraph II, a graphic management information system, provides the user with the capability of information, graphically. An effective management tool, Fingraph provides the management with logical graphic information of on-going operations, to make decisions upon information displayed.

You control operation using your own financial accounting classifications with Fingraph's five formats: the balance sheet, the income statement, the critical ratios, the funds statement, and the working capital statement. Fingraph's micro system offers a full set of line and pie charts to effectively highlight your data. The line charts show single or multiple lines, mix and match data elements, compare in standard or frequency distribution formats. Unique system features permit pie charts to be used as an integral part of your information system.

Fingraph II links directly to sophisticated applications in financial, manufacturing, marketing, sales management, real estate, and professional time management. Data can be updated manually, from your spreadsheets, or with an automatic link to your accounting, manufacturing, inventory, cost accounting, labor control, and other operating systems. Thus Fingraph II charts use data consistent with tabular reports.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

GMIS will design and install GMIS systems and conduct training seminars.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Compaq	(L) MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC Pro 350	(L) P/OS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX 730/750/780	(L) VMS	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L) MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
MicroVAX	(L) VMS	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
PDP 11	(L) CTS-RSX 11	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

FREELANCE

GRAPHIC COMMUNICATIONS, INC.
200 Fifth Avenue
Waltham, MA 02254
(617) 890-8778

Suggested Retail Price \$395
(U.S. List)

Freelance is a presentation graphics software package that produces professional-quality visuals for use in business reports and presentations. Freelance can read Graphwriter chart files and Lotus PIC files from 1-2-3™ or Symphony™ so that existing charts can be resized, combined with other charts, or customized to include special symbols and logos. Over 200 pre-drawn symbols are available and can be incorporated into existing or newly created charts to produce flow charts, diagrams, maps, and floor plans. Word charts can be created by typing directly into Freelance, or by reading an existing ASCII text file from a word processing program. Drawing tools such as custom grids, rulers, and templates are included so that professional-quality illustrations can be easily drawn using the keyboard cursor keys, a mouse, or a tablet. Freelance outputs drawings to HP plotters and a variety of printers, including the HP LaserJet printer.



VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

GALLERY COLLECTION

HEWLETT-PACKARD COMPANY
10520 Ridgeview Court
Cupertino, CA 95014
(408) 725-8111

Suggested Retail Price \$585
(U.S. List)

Graphics Gallery is a set of integrated presentation graphics packages that includes Drawing Gallery, Charting Gallery, and Picture Library Volumes I and II. With Drawing Gallery, customers can create text slides, organization charts, and other illustrations. Charting Gallery helps customers create pie, bar, and line charts with data from spreadsheets, databases, or ASCII files. Picture Library Volumes I and II contain selections of over 70 and 200 ready-made drawings for enhancing charts and drawings. The software packages can work independently or together. The Gallery Collection can also work with Executive MemoMaker to integrate text and graphics.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required
HP Touchscreen PC (D)	MS™-DOS 2.0	384K

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro

GDSS

DATA BUSINESS VISION, INC.
 3510 Dunhill Street — Suite B
 San Diego, CA 92121
 (619) 450-1557

Suggested Retail Price \$795
 (U.S. List)

GDSS was designed to interface to any existing or user-developed data base for aggregation, organization, and manipulation of data. It provides a large local storage capability and can accept files from either a host computer or other source. Once loaded into the internal data base, subschema or views developed by multiple users from a common file can be interrogated interactively through use of a query language, which allows the user to select or sort particular items.

The command-style structure can store frequently used formats for production mode operations making the system a high-speed graphics report generator. Format styles include bubbles, scattergrams, 3D bars, multiplex formats, layouts, overlays of equal or different sized graphs, rotations, split screen, and multiple graphics on the same screen. New formats can be customized by means of the graphic editor and optional digitizer tablet. Arithmetic, statistical, and logical operations are available to analyze data to extract trends and support the decision-making processes. Output can be produced on a variety of graphics hardcopy devices from single line printers to high-resolution film recorders.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Altos (L)	Xenix	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Burroughs B-20 (L)	BTOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
CT/AWS-IWS (L)	CTDS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR Work saver (L)	DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
PC Compatibles (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

GEM DRAW

DIGITAL RESEARCH, INC.
60 Garden Court — P.O. Box DRI
Monterey, CA 93942
(408) 649-3896

Suggested Retail Price \$249
(U.S. List)

GEM Draw is a drawing package designed for the business professional who needs to create visual displays for use in office presentations. It is a powerful tool which provides tremendous flexibility without sacrificing ease-of-use. The GEM Draw customer can create a wide variety of drawings including charts, diagrams, logos, and layouts.

GEM Draw supports a full range of drawing elements including rectangles, rounded rectangles, circles, polygons, freehand, lines, arcs, and text. Element attributes such as fill pattern, size, position, and color may all be modified. In addition, picture editing capabilities permit customers to control page layout and element arrangement.

GEM Draw supports window-to-window picture element transfer. Included with the product is a collection of over fifty picture library files which may be included in user-defined charts and diagrams.

VENDOR SUPPORT INFORMATION

- | | |
|---|--|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input checked="" type="checkbox"/> Remote Dial-in |
| <input checked="" type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

GIRAPH BUSINESS GRAPHICS

COMPUVISION INTERNATIONAL
 70 Greenwich Avenue — Suite 169
 New York, NY 10011
 (212) 213-0134

Suggested Retail Price \$95
 (U.S. List)

The Giraph program is menu-driven, and with default settings and automatic labeling, you can make pie, bar, line, high-low-close, scatter, and text charts simply and easily. Complete design control lets you customize graph to your data — choose colors, hatching, labeling, left and right scaling, and layout.

Giraph can use data from Lotus 1-2-3™ and MultiPlan® as well as from the keyboard or a file you create. With Giraph there is no need to re-enter data to change the graph.

The Giraph program is contained on a single diskette so there is no changing diskettes for different graphs. It may also be run from a hard disk. Giraph shows graphs in color on color display, plotters, and printers. An illustrated user manual of over 100 pages is included.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone and mail support are available at no charge.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Charge for training.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
Ericsson (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

GRAF/3000

COMPUTER RESOURCES, INC.

5333 Betsy Ross Drive — P.O. Box 58004

Santa Clara, CA 95052

(408) 980-9898

Suggested Retail Price Available on Request

GRAF/3000 Graphics Option is an interactive color graphics system that helps you produce charts and graphs from data in any files on the Hewlett-Packard 3000 series computer. GRAF supports HP graphics devices to produce two and three dimensional line drawings and to generate graphs, bar charts, pie charts, histograms, and scattergrams.

GRAF is designed to increase productivity using a simple, English-like command language to aid non-computer oriented individuals in producing graphs and charts. For increased flexibility, complete programmatic access is provided and graphs can be generated in a batch mode and stored in plot files for later payout.

GRAF requires little knowledge of graphic design to quickly and easily produce plots and charts. An on-line "help" facility is available to give command syntax information and describe the use of any given command.

Effective use of graphics can increase communications and provide clear, concise summaries of important information. GRAF can be used for a wide range of applications including budgeting, planning, analysis, marketing and a myriad of scientific applications.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available for all products. Training can be at C.R.I. or at customer site.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 3000 (L)	MPE	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> 9872

GRAFFHOPPER

DATA BUSINESS VISION, INC.
 3510 Dunhill Street — Suite B
 San Diego, CA 92121
 (619) 450-1557

Suggested Retail Price \$295
 (U.S. List)

GRAFFHOPPER is designed to reduce chart building to a simple process. The user simply looks through his Chart Book catalog of over 100 formats, selects the chart he prefers, and responds to a few simple screen prompts. GRAFFHOPPER formats range from straight lines to sophisticated combinations which can be completed in a matter of seconds.

GRAFFHOPPER also offers the more traditional approach to chart building through the use of a simple menu structure (including on-line HELP) or command word method. Whatever the mode of chart creation, the objective of the software is the same: to produce complicated charts with as little user interaction as possible.

GRAFFHOPPER also includes a unique feature — CHART CONNECT. Using CHART CONNECT, a user can access data already stored in 1-2-3™ from Lotus, Multiplan®, or dBASE II™ files. With CHART CONNECT, spreadsheet data may be retrieved through a series of simple user prompts.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Altos (L)	Xenix	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Burroughs B-20 (L)	BTOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
CT/AWS-IWS (L)	CTOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR Worksaver (L)	DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
PC Compatibles (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

GRAFMAKER

PRECISION VISUALS, INC.
 6260 Lookout Road
 Boulder, CO 80301
 (303) 530-9000

Suggested Retail Price \$3500-\$10,000
 (U.S. List)

GRAFMAKER is an integrated system of graphics software tools for designing and viewing line graphs, bar graphs, and pie charts. Precision Visuals' DI-3000 system is a prerequisite for use of this system, which is device and machine independent. A chart or graph can be developed modally by using a combination of capabilities such as annotation, legends, tick marks, axes, and pie chart segments. Additional features include the ability to explode a single pie chart segment, fill pie chart segments and bar graphs, select a background color, arbitrarily position axes, fill between two curves on a line graph, use log and natural log scaling options, and graph with multiple axes; and metafile output.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Award-winning documentation and on-site and in-house training.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 3000 (L)	MPE	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
CDC (L)	NOS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Data General (L)	AOS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC 10, 20 (L)	TOPS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX (L)	VMS, UNIX™	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Honeywell (L)	GC053/CP-V	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	VM, MVS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Prime (L)	Primos	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

GRAFTALK, VERSION 4.0

REDDING GROUP, INC.
109 Danbury Road
Ridgefield, CT 06877
(800) HELPRGI

Suggested Retail Price \$450
(U.S. List)

GrafTalk is graphics you won't outgrow. Beginners can create high-quality charts in minutes with GrafTalk's "Menu" mode, or innovative new "Prompt" mode. Advanced users won't be frustrated by the built-in limitations of some easy-to-use graphics software.

That's because the power of "Keyboard Command" mode lets you override and fine tune every single detail of your graphs. You can learn the commands quickly and painlessly with GrafTalk's on-line tutor and help facilities. The new manual, available with version 4.0 is comprehensive.

The list of graph types is extensive: bar, pie, line, scatter, dual Y-axis, regression, curve smoothing, line with underfill, bubble, composite, multiple, Gantt, table, step, and new automatic organization, high-low charts and more. You can even draw lines, or create and fill circles, arcs, boxes, rectangles, and polygons. GrafTalk now has fancy fonts, too.

The mini-spreadsheet lets you name rows and columns, perform simple arithmetic, and create and delete rows and columns of data. GrafTalk also accepts data from Lotus 1-2-3™, MultiPlan®, and any other software utilizing ASCII data files.

GrafTalk's built-in editor, which rivals many word processing packages, lets you create and save graphs, data, or text files. And only GrafTalk has a unique menu-creating facility that lets you design customized menus for your company.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Free, unlimited technical support by phone or mail. On-site consulting and program modification prices are negotiable.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Disk-based tutorial. Prices for on-site training are negotiable.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apricot PC (L)	MS™DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Data General One (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DECmate II (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC Rainbow (L)	CP/M-80/86	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 3270 PC (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Victor (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith Z-100 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith Z-150 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

GRAPHICS-11

DATA PROCESSING DESIGN, INC.
1400 North Brasher
Anaheim, CA 92807
(714) 970-1515

Suggested Retail Price \$2000-5600
(U.S. List)

Graphics-11 is a high-quality graphics system designed to enhance documentation and presentations. The user can "draw" shapes from keyboard commands; add text, patterns, or colors; and place them anywhere on the screen, with any size or rotation. Users create figures by combining circles, lines, arcs, polygons, and text. Graphics-11 offers a choice of eight fonts, seven outline forms, and screen-shade patterns in three densities. Graphics-11 outputs drawings to printers and HP plotters.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Six months support free with purchase. Additional support available for \$600 per year.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training on-site or at California or Washington D.C. locations.

PRODUCT INFORMATION

Computer Model(s)

DEC VAX (L)

Operating System(s)

N/S

Memory Required

N/S

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- 7220

GRAPHWRITER

GRAPHIC COMMUNICATIONS, INC.
 200 Fifth Avenue
 Waltham, MA 02254
 (617) 890-8778

Suggested Retail Price \$395-\$595
 (U.S. List)

Graphwriter is a business graphics package that has been designed to produce formal presentation materials using a personal computer. The Graphwriter Combination Set includes 23 different chart types. In addition to the standard pie, bar and line charts, Graphwriter also includes organization, Gantt, bubble, surface line, pie-bar combinations, and table charts. Each format is preprogrammed to provide a professional-looking chart by simply entering data. Significant changes can also be made concerning size, color, orientation, and style of the chart. For example, pies can be proportioned or rotated, relocated anywhere on the page, divided into 16 slices, and filled with eight different patterns. Up to four pies can be placed on a single page.

Graphwriter charts rival those produced by a graphics designer because a "built-in artist" feature individually composes each chart for the type of presentation materials needed. A unique batch processing capability allows charts to be produced in succession without an operator. And by using a "fill-in-the-blanks" input form, a presenter can choose to have his charts prepared by the support staff. Menus, prompts and HELP messages on the screen allow the novice user to become a graphics expert.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen (D)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Burroughs ET 2000 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC Rainbow (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Fortune 32:16 (L)	UNIX™	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 2000 (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

HIGH TECH BUSINESS GRAPHICS

HIGH TECH MARKETING, INC.
 715 East Cypress Avenue — Suite A
 Burbank, CA 91501
 (818) 841-6093

Suggested Retail Price \$595-\$995
 (U.S. List)

High Tech Business Graphics is designed for UNIX™, Xenix, and PC/IX systems with non-graphics terminals, printers, and plotters. The software is menu-driven, and so easy to use it takes only 30 minutes to learn. Through the use of Cake charts (rectangular pie charts), up to 18 pieces can be represented with two percent accuracy.

Interfaces to MultiPlan®, Informix, and Unify are included. The same interfaces as Unify and Informix will also work with vertical market packages. This package supported variable speeds, so you can plot preview drawings quickly, or overhead transparencies on slow speed for high quality.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Annual support is \$60 per year. Updates are \$25 each and are available only to those under support.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

There is a full tutorial in the manual.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Altos X86 (L)	Xenix	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	Xenix	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T 3B2 (L)	UNIX™V	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Fortune (L)	Pro:For	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC (L)	Xenix	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC (L)	PC/IX	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Intel 310/286 (L)	Xenix	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR Tower (L)	UNIX™V	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Sperry (L)	UNIX™V	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 16/6000 (L)	Xenix	136K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

HPEASYCHART

HEWLETT-PACKARD COMPANY
10520 Ridgeview Court
Cupertino, CA 95014
(408) 725-8111

Suggested Retail Price \$3000
(U.S. List)

HPEASYCHART is a software subsystem of the HP 3000 that allows any office user to produce line charts, bar charts, pie charts, and scattergrams interactively in five to ten minutes — with no computer experience necessary. These charts can be displayed on an HP graphics terminal or drawn on paper or overhead transparency film using an HP plotter.

The picture-oriented selection menu helps novice users select a chart by its visual appearance on the terminal rather than through a written discription. This visual approach to chart selection and the simplicity of the user interface makes HPEASYCHART an ideal graphics product for users unfamiliar with computer programming and for more experienced users who wish to quickly create a plot.

Scrolling data entry allows users to enter up to 75 data points for six variables plotted on a chart. Up to four charts can be positioned on a single page. Charts can be scaled automatically for different paper sizes. Eight colors and textures can be chosen for charts. A built-in HELP facility gives examples of different chart types available and provides information on how to proceed at any point.

Charts designed with HPEASYCHART are upwardly compatible with HP DSG/3000 so that additional text fonts and sophisticated charting features may be employed to enhance an HPEASYCHART chart. HPEASYCHART drawings may also be included in a drawing created with HPDRAW to produce professional-looking visual aids with text, charts, figures, symbols, and signatures.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 3000 (D)	MPE	1MB	■ 7470A ■ 7580B ■ ColorPro ■ 7475A ■ 7585B ■ 7550A ■ 7586B

IB GRAPH

DATA PROCESSING DESIGN, INC.
1400 North Brasher
Anaheim, CA 92807
(714) 970-1515

Suggested Retail Price \$2000-\$5600
(U.S. List)

IB Graph is a high-quality business graphics package. Data can be input directly or transferred from data processing files. IB Graph interfaces with Graphics-11 for customized presentations. With IB Graph you have a choice of chart type, color, font, size or fill pattern. IB Graph provides on-screen help with each menu. Users can choose from pie charts, bar charts, or line charts; nine font sizes; and cross-hatching or dots in three densities.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Six months of support free with purchase. Additional support available for \$600 per year.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training on-site or at California or Washington D.C. locations.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DEC VAX (L)	N/S	N/S	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC (L)	RSTS/E	N/S	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

INTELLIGRAPH

THORN EMI COMPUTER SOFTWARE, INC.
 1881 Langley Avenue
 Irvine, CA 92714
 (714) 261-6600

Suggested Retail Price Available on Request

Intelligraph represents a powerful new concept in presentation graphics — design intelligence. This built-in intelligence function uses 120 graphic design rules to select the best-looking graph based on the characteristics of your data. There is no more trial and error. No more wasting time finding a format that works. Intelligraph gives you the right business presentation graphics the first time.

Intelligraph takes data from leading spreadsheet and database programs. You don't have to re-enter the numbers. Intelligraph reads data files from Lotus 1-2-3™, MultiPlan®, Perfect Calc, dBASE II and III™ — in fact, any other program that uses SLK, DIF, SDF, or SDI file types. Or you can enter your own data.

Intelligraph generates bar graphs, parallel bar graphs, surface graphs, horizontal bars, stacked bars, step graphs, line graphs, and pie charts, and will combine several graphs on one page.

Intelligraph works with virtually all graphics printers, plotters, and display boards.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Customer service hours are 8:30 a.m. to 5:30 p.m. (Pacific Time) at (714) 261-8559.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia PC (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Sperry PC (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 1200 (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

INTELLIGRAPH PLUS

THORN EMI COMPUTER SOFTWARE, INC.
 1881 Langley Avenue
 Irvine, CA 92714
 (714) 261-6600

Suggested Retail Price Available on Request

Intelligraph Plus Graphic Design System is two programs in one.

Intelligraph represents a powerful new concept in presentation graphics — design intelligence. This built-in intelligence function uses 120 graphic design rules to select the best-looking graph based on the characteristics of your data. There is no more trial and error. No more wasting time finding a format that works. Intelligraph gives you the right business presentation graphics the first time.

Graphics Design System lets you customize charts and graphs from Intelligraph or draw your own — freeform. Create text-only charts, flow charts, or organizational charts.

Intelligraph Plus reads data files from 1-2-3™, MultiPlan®, Perfect Calc, dBASE II and III™ — in fact, any other program that uses SLK, DIF, SDF, or SDI file types. Or you can enter your own data.

Choose from bar graphs, parallel bar graphs, surface graphs, horizontal bars, stacked bars, step graphs, line graphs, and pie charts — 13 graph formats and 21 page layouts that can accommodate multiple graphs and charts.

Intelligraph works with virtually all graphics printers, plotters, and display boards.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Customer service hours are 8:30 a.m. to 5:30 p.m. (Pacific Time) at (714) 261-8559.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia PC (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Sperry PC (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 1200 (L)	MS™-DOS 2.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

KEYCHART

SOFTKEY SOFTWARE PRODUCTS, INC.
 18480 Decatur Road
 Monte Sereno, CA 95030
 (416) 598-5033

Suggested Retail Price \$375
 (U.S. List)

KeyChart has the ability to prepare full-color, professional-quality presentation graphics, including bar, line, pie, bar and line, horizontal bar, high-low-close-open and volume, X-Y, scatter, area, log-log, semi-log, regression analysis, and text charts, as well as any combinations of these formats on the same page. It is completely menu-driven with a fill-in the blank format that provides automatic default values for every chart characteristic.

KeyChart accepts data directly from the keyboard, from any popular spreadsheet, or from any ASCII data or text file. It provides full control of size and location of a chart, and permits a full size preview of the chart in full color. A page layout preview allows the user to simultaneously preview one or more charts for the exact location, size and orientation of how the chart will be plotted on the page. A font preview displays the chart on the screen, with up to eight different font types.

KeyChart's unique on-screen editing provides the capability to edit virtually all of a chart's characteristics while in the page layout preview mode, thereby eliminating annoying and unnecessary replotting. Other unique features include: up to 99 lines of horizontal or vertical floating titles with every chart, up to 99 variables across 975 observations can be plotted, two entirely independent axes can be automatically calculated, and vertical and horizontal grid lines.

With the purchase of the add-on Batch Processing Module for the HP 7550A, KeyChart will let you select an unlimited number of multiple charts (including unlimited copies of a single chart or multiple plots per page) in any combination or sequence, and will allow you to plot them while the plotter is left unattended.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in and mail-in support are free. On-site consulting and program modification available on quotational basis only.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apple II (L)	DOS 3.3	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple IIc (L)	DOS 3.3	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple IIe (L)	DOS 3.3	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple II plus (L)	DOS 3.3	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Bytec Hyperion (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Deskpro (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq PC Plus (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Portable (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

KEYCHART (continued)

Computer Model(s)	Operating System(s)	Memory Required	PRODUCT INFORMATION		
			HP Plotter(s) Supported		
Eagle PC	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Epson QX-10	(L) CP/M, TPM	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Grid Case	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
IBM AT	(L) PC-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
IBM PCjr	(L) PC-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
IBM PC Portable	(L) PC-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
IBM PC/XT	(L) PC-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Kaypro	(L) C/PM	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Leading Edge	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
NCR Decision Mate IV	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Osborne	(L) C/PM	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Panasonic Senior Partner	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Sperry PC	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Tandy 2000	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
TI Pro	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Wang PC	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Zenith Z-100	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220
Zenith Z-150	(L) MS™-DOS	128K	■ 7470A ■ 7475A ■ 7550A	□ 7580B □ 7585B □ 7586B	■ ColorPro ■ 7220

MD-PLOT

MAERSK DATA, INC.
25 Vreeland Road
Florham Park, NJ 07932
(201) 276-8633

Suggested Retail Price \$6000
(U.S. List)

MD-PLOT is designed to transfer graphics from IBM mainframes to Hewlett-Packard graphics plotters. With MD-PLOT, you enhance the capabilities of the graphic packages on your IBM mainframe, because you can utilize HP plotters for high-quality printouts for business graphics or illustrations for education and teaching.

That means advantages far exceeding what a printer has been able to offer up to now — for instance: color charts directly on overhead transparencies, eight color choices and two paper sizes (A4/A and A3/B). Several plotters can use the same program on any IBM 43XX or 30XX.

MD-PLOT is a program which collects the graphics output files and converts them into HP plotting commands. The files can then be transferred to the plotter. And changing to a plotter from an ordinary printer requires no further training.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in consulting free of charge. On-site consulting and systems engineering available for an hourly rate plus travel expenses.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM 30XX, 43XX (L)	MVS/TSO	200K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 30XX, 43XX (L)	VM/CMS	200K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

METAFILE

PRECISION VISUALS, INC.
 6260 Lookout Road
 Boulder, CO 80301
 (303) 530-9000

Suggested Retail Price \$2000-\$9500
 (U.S. List)

The Metafile System is a standalone interactive program that gives users complete flexibility in where, when, and how to display and generate high-quality graphs and graphic images produced using other Precision Visuals' products. The system consists of three units: the Metafile Translator, the Metafile Generator, and the Metafile.

The Metafile Translator is an interactive program that post-processes DI-3000 metafiles with graphics output to a selected graphics device. It is, in effect, a picture editor. Pictures may be read up to five metafiles concurrently. They may be positioned, scaled, and superimposed on a selected graphics driver; initialized, and selected by a DI-3000 application program. Instead of outputting graphic images to a physical graphics device, the Metafile Generator builds a sequential picture library, or metafile, of all graphics information that would normally be routed to a physical graphics device. The pictures on a metafile are mutually exclusive.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

On-site and in-house training.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 3000 (L)	MPE	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
CDC (L)	NOS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Data General (L)	AOS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX (L)	VMS, UNIX™	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC 10, 20 (L)	TOPS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Honeywell (L)	GCOS3, CP/V	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	VM, MVS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Prime (L)	Primos	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

MICROSOFT® CHART, VERSION 2.0

MICROSOFT CORPORATION
 16011 Northeast 36th Way — P.O. Box 97017
 Redmond, WA 98073-9717
 (206) 822-8089

Suggested Retail Price \$295
 (U.S. List)

Microsoft® Chart is a comprehensive, versatile and easy to use business presentation graphics software package for the IBM Personal Computer and compatibles.

Microsoft® Chart offers superior business graphics that you can use to create professional boardroom-quality presentations. You can design your graphics in eight basic chart types: area, bar, column, hi/lo, line, mixed, pie, and scatter. With Chart's on-screen gallery, you can quickly and easily choose 45 pre-designed formats. Or custom design your own graphics on the screen by placing labels anywhere; changing fonts; adding color, grid lines, and arrows; changing hatch and line patterns; and resizing and repositioning any chart element anywhere on the page. Place up to 16 different charts on one page, mix and overlay any type with another, and create text-only charts. Save chart formats to reuse with other data. Analyze your data with statistical functions. Microsoft® Chart has unmatched versatility to let you design the chart you want that communicates your message best.

Microsoft® Chart has a special linking feature that enables you to transfer data with one command from Lotus 1-2-3™, Symphony™, Microsoft® Multiplan®, dBASE II™ and III, and others. You can establish a permanent link between Chart and the other program such as 1-2-3™ so that when you change the data in the spreadsheet, your chart is automatically updated.

Microsoft® Chart is easy to learn and use. With on-line context-sensitive help screens, a step-by-step tutorial, comprehensive manual, and a flexible English-language command line you can get up and running quickly and then move at your own pace.

Microsoft® Chart is part of Microsoft's full line of business applications programs. They are all backed by Microsoft's comprehensive customer support services and the knowledge and experience of a leader in the software industry.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Microsoft authorized learning centers are located throughout the United States.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Wang (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith Z-150 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

MIRAGE

ZENOGRAPHICS, INC.

19752 MacArthur Boulevard — Suite 250

Irvine, CA 92715

(714) 851-6352

Suggested Retail Price \$695-\$1295
(U.S. List)

Mirage is an information graphics package that has everything: unlimited input, database query, a vast array of charting features, and maximum quality output. With unmatched speed and flexibility, Mirage is the top-of-the-line in data representation graphics. You can create and enhance new charts in seconds, run production graphics completely automatically, and build your own corporate or individual chartbook. Mirage's integrated database capabilities make it perfect for your decision support process, while its output quality and versatility will appeal to your graphic artists.

An additional option is the EGO graphics editor. With EGO, you can add, delete, insert, fill, color, scale, rotate, rubberstamp, sort, zoom, modify, thicken, or lighten. You can edit any picture from Mirage.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

Toll-free hotline available to all registered customers.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

OMNILOT

MICROCOMPATIBLES

301 Prelude Drive
Silver Spring, MD 20901
(301) 593-0683

Suggested Retail Price \$295
(U.S. List)

Omniplot [S] and [P] provide high-quality screen and pen plotter graphics output specially suited for the scientist or engineer.

Omniplot is menu-driven, requiring no programming. The user simply provides properly formatted data files to produce a variety of 2D and 3D plots. The user has the option of producing line graphs, bar charts, pies, contour plots, and tabular plots. Graph options include automatic scaling, axes, labels, tick marks, and log and linear axes. Omniplot [S] supports the screen and Omniplot [P] drives the HP plotter. Plots can also be sent to a data file for later output to the plotter.

The package is fully documented and comes with many sample data files. Instructions are provided on how to interface with other software packages such as Lotus 1-2-3™ and dBASE™.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PBG SYSTEM

GANESA GROUP INTERNATIONAL, INC.
 1495 Chain Bridge Road
 McLean, VA 22101
 (800) 638-2225

Suggested Retail Price \$395
 (U.S. List)

Presentation and Business Graphics (P.B.G.) is a computer program designed to support the presentation graphics needs of managers, executives, and professional users. P.B.G. is fast, flexible, and menu-driven. P.B.G. allows people unfamiliar with computers and computer graphics to generate effective and timely presentation-quality graphs.

A typical P.B.G. session consists of selecting the type of graph desired, defining labels, choosing display options, and entering the appropriate information. P.B.G. is able to read various datafiles, including those created by 1-2-3™ from Lotus, VisiCalc®, Multiplan®, and dBASE II™. All selections made or data entered can be edited in seconds.

Once a graph has been created, it may be printed using a wide variety of graphics printers and plotters. A graph may be saved and later organized into an on-screen presentation slideshow.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free hotline support available to all registered customers. On-site support on a consulting fee basis.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Columbia MPC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Corona PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Eagle (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Leading Edge (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PC-SLIDE

MANAGEMENT GRAPHICS, INC.
2064 Avenue Road
Toronto, Ontario, Canada M5M4A6
(416) 485-2855

Suggested Retail Price \$995
(U.S. List)

PC-Slide is a powerful business graphics package designed for the creation of boardroom-quality presentation visuals. Images created via PC-Slide can be plotted on the HP family of pen plotters.

PC-Slide capabilities include: pie, bar, and line charts; organizational charts, tabular charts, image library, rotation scaling, and copying of images. DIF interface to Lotus 1-2-3™.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input checked="" type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Xerox PC (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PFS:GRAPH

SOFTWARE PUBLISHING CORPORATION
 1901 Landings Drive
 Mountain View, CA 94043
 (415) 962-0191

Suggested Retail Price \$125-\$140
 (U.S. List)

PFS:GRAPH is the ideal tool for the decision maker who knows a picture is the fastest way to prove a point. PFS enables the manager or professional to put his efforts into analysis and presentation of facts, rather than the art of business graphics.

PFS:GRAPH works as a standalone system or with other programs to transform complex facts and figures into easy-to-grasp visuals. PFS can use data files from PFS:FILE, and DIF files from 1-2-3™ from Lotus and VisiCalc®. In addition, PFS:GRAPH business graphics can be included in PFS:WRITE documents.

PFS:GRAPH makes presentation-quality charts in just minutes. All you do is specify the type of graph and then enter your information. It's easy to experiment with different types of graphs until you find the best way to express your data. PFS:GRAPH produces the most popular types of graphs: bar, line, area, and pie charts. Line and bar graphs can be mixed and matched. Bar charts can be stacked or side-by-side. Up to four graphs can be placed on a single set of axes. Automatic formatting, scaling, legend labeling, and pattern fill usually make it simple to create clear and informative visuals. PFS:GRAPH creates superior-looking transparencies by slowing down the plotter and slightly spreading out the chart. This provides dense coloration. PFS:GRAPH also prints charts in a reduced size for inclusion in meeting reports and documentation.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apple IIc	(L) ProDOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
APPLE IIe	(L) ProDOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia MPC	(L) MS™-DOS 1.25	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq	(L) MS™-DOS 1.1, 2.0	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Corona PC	(L) MS™-DOS 1.25	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Eagle	(L) MS™-DOS 1.25	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L) PC-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Panasonic Senior Partner	(L) MS™-DOS 2.0	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PICSURE

PRECISION VISUALS, INC.
 6260 Lookout Road
 Boulder, CO 80301
 (303) 530-9000

Suggested Retail Price Price Varies

PicSure is a package for creating professional-quality presentation graphics with plain English commands. It offers a wide choice of chart formats, and flexible styling of such details as colors, patterns, text fonts, and sizing. PicSure is offered both as a standalone package and as an economical extension to Precision Visuals' machine- and device-independent DI-3000 graphics tools package with Grafmaker.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Documentation and on-site and in-house training.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apollo (L)	AGIS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX (L)	VMS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	MVS/TSO, VM-CMS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Prime (L)	Primos	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
STANDARD ASCII (L)	N/S	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
UNIX™ (L)	UNIX™	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

PICTURE PERFECT

COMPUTER SUPPORT CORPORATION
 2215 Midway Road
 Carrollton, TX 75006
 (214) 661-8960

Suggested Retail Price \$295-\$595
 (U.S. List)

Picture Perfect turns stacks of facts and figures into presentation-quality pie, bar, line and combined bar/line charts.

There are no commands to learn. Picture Perfect uses a simple "fill-in-the-blanks" approach to tell the computer how to display the data. Enter data from the keyboard or from any of the popular spreadsheet and database products. Data can be shared among any of the Picture Perfect products.

Combined bar and line charts are perfect for the analysis and presentation of financial data. Bar/line can be used to summarize up to eight different variables (sets) with as many as 24 values per set. The data can be represented as bars or lines in either the top or bottom chart. The data values can be presented in tabular form below the x-axis, placed above the bar or windowed inside the bar. Thirty-six lines of text (900 characters) and eight legends can be positioned anywhere on the chart using the arrow keys.

Other features include: overlapping bars, windowed labels and data values, scattergrams, quick sketch, bi-directional x-axis, automatic y-axis generator, separate left and right y-axes, semi-log, and log-log axes.

Plot the charts one to a page or combine multiple charts on a single page.

Picture Perfect supports a wide variety of printers, HP plotters and 35-mm image recorders.

At last! A business graphics software package that anyone can use to produce charts that are Picture Perfect.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Integral PC (D)	HP-UX	768K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Series 200 (D)	HP	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Series 300 (D)	HP-UX	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Touchscreen (D)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 3270 PC (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PLOT-IT

MESA GRAPHICS
P.O. Box 600
Los Alamos, NM 87544
(505) 672-1998

Suggested Retail Price \$95
(U.S. List)

Plot-It takes a MacPaint document created on a Macintosh by any application and outputs it to a supported plotter.

Plot-It is ideal for making color transparencies or color paper copy from a MacPaint document. With Plot-It, scaling is controlled by selecting another rectangular area within the scaling rectangle. Color overlays may also be created with MacPaint and then plotted onto the same paper or transparency.

Plot-It lets you control the pen to be used, the pen speed of the plotter (for transparencies), paper orientation and size, and the port connection for the plotter.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input checked="" type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Macintosh (L)	Apple	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7480B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

ARENS APPLIED ELECTROMAGNETICS, INC.
 P.O. Box 329
 Gaithersburg, MD 20877
 (301) 258-0970

Suggested Retail Price \$6000-\$7500
 (U.S. List)

Presentation Graphics is a business graphics software package used to create artist-quality charts and graphs for presentations, reports, and basic data interpretation and analysis. An easy-to-understand question/answer interface makes it possible for anyone to use this package; no computer knowledge or graphic arts skills are needed. Different interface levels allow users to communicate with the computer at a level they can understand and be comfortable with.

One of the unique features of this package is the ability to spool output to spoolable output devices. Users can share your HP 7550A, 7220, or 7221.

The Business Graphics section contains design and draw programs for creating pie, bar, line, and text charts. Data to be displayed in charts can be entered directly in the file during design, or data can be read from an external file at draw time.

Each draw program takes into consideration the user's responses to questions of design and aesthetics. As a result, all decisions of layout, spacing, positioning, scaling, etc., are handled automatically by Presentation Graphics.

Presentation Graphics interfaces with HPDRAW and HP 2680 through figure files on the HP 3000.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

After 90 days, support cost is \$1500. Support includes periodic updates and enhancements.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Two-day on-site training is included with purchase.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 3000	(D) MPE	256K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 7220 ■ 7221 ■ 9872
HP 9000	(D) HP-UX	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 7220 ■ 7221 ■ 9872
BBN C/70	(L) UNIX™	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 7220 ■ 7221 ■ 9872
Chromatics CGC 7900	(L) Idris	1MB	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 7220 ■ 7221 ■ 9872
DEC VAX	(L) UNIX™	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 7220 ■ 7221 ■ 9872
Gould Power Node Series	(L) UNIX™	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 7220 ■ 7221 ■ 9872
Pyramid 90X	(L) UNIX™	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 7220 ■ 7221 ■ 9872
Other UNIX™ Systems	(L) UNIX™	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ 7220 ■ 7221 ■ 9872

SAS/GRAPH SOFTWARE

SAS INSTITUTE, INC.
 Box 8000 — SAS Circle
 Cary, NC 27511-8000
 (919) 467-8000

Suggested Retail Price \$6000
 (U.S. List)

SAS/GRAPH Software is part of the SAS System, a powerful data-handling language and extensive library of integrated procedures. You can use the SAS system for such applications as data entry, retrieval, and management; statistical analysis; report writing; modeling and forecasting; project management; letter writing; and financial spreadsheets. SAS/GRAPH software provides SAS users with device-intelligent color graphics for information and presentation applications.

Ready-to-use SAS procedures produce vertical and horizontal bar charts, pie, star, and block charts; a variety of plots; choropleth, surface, prism, and block maps; text for slides; and 3D displays. You can store graphs for future use.

SAS/GRAPH Software also features an annotation facility for producing customized presentation graphics. You can label the output from all SAS/GRAPH procedures with titles, footnotes, and notes; a variety of colors, patterns, and fonts is available.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Technical support available free of charge.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Instructor-based, video-based, and computer-based training available.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DG ECLIPSE	(L) AOS/VS	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX 11/7XX, 8600	(L) VMS	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 370/30XX/43XX	(L) OS, CMS	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> 9872
IBM 370/30XX/43XX	(L) DOS/VSE	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> 9872
Prime 50 Series	(L) Primos	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

SERIES 80 GRAPHICS PRESENTATIONS PAC

HEWLETT-PACKARD/CORVALLIS
 1000 Northeast Circle Boulevard
 Corvallis, OR 97330
 (503) 757-2000

Suggested Retail Price \$200-\$250
 (U.S. List)

The HP Series 80 Graphics Presentations Pac allows you to create text, line, bar, and pie charts of the quality normally possible only by professional artists. Charts are created on the large graphics display, and then plotted on a Hewlett-Packard plotter. Charts may be plotted on paper for inclusion in reports or on overhead transparency film.

Text charts include six character styles in nine sizes. Styles include smooth and Roman fonts, as well as the normal plotter character sets. In addition, the Graphics Presentations Pac supports several foreign character sets. Line and arc drawing allows easy creation of organization charts, time lines, and countless other enhancements.

Line charts are an excellent tool for depicting trends over time or other relationships between two factors. The Graphics Presentations Pac allows up to six lines to be plotted on a single chart, with each line including up to 24 points.

The Graphics Presentations Pac will create normal, stacked and clustered bar charts. Bars may have negative values. Bars may be hatched in several styles or filled in solid colors.

Pie charts may be used to graphically illustrate how several individual components relate to their whole. Two pie charts may be plotted side by side for comparison purposes. Each pie may include up to 24 slices, each of which may be hatched or solid filled.

In short, the Graphics Presentations Pac helps to make any report or presentation more professional and informative by creating charts which transform data into attractive and understandable graphic information.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-83 (D)	Native	96K	<ul style="list-style-type: none"> ■ 7470A □ 7580B ■ 7475A □ 7585B □ 7550A □ 7586B
HP-85 (D)	Native	96K	<ul style="list-style-type: none"> ■ 7470A □ 7580B ■ 7475A □ 7585B □ 7550A □ 7586B
HP-86 (D)	Native	96K	<ul style="list-style-type: none"> ■ 7470A □ 7580B ■ 7475A □ 7585B □ 7550A □ 7586B
HP-87 (D)	Native	96K	<ul style="list-style-type: none"> ■ 7470A □ 7580B ■ 7475A □ 7585B □ 7550A □ 7586B

SERIES 200 GRAPHICS PRESENTATIONS

HEWLETT-PACKARD/FORT COLLINS
3404 East Harmony Road
Fort Collins, CO 80525
(303) 226-3800

Suggested Retail Price \$750
(U.S. List)

Professional-quality overhead slides are quickly and easily created with HP's Series 200 Graphics Presentations. You can create bar, pie, and line charts, and text materials on paper or overhead transparency film. Combining text and charts can easily be done using the composing feature.

Series 200 Graphics Presentations offers nine text sizes; four fonts — normal, smooth, Roman, and Gothic; line drawing for boxing, underlining, and highlighting; centering for quickly aligning text for a more professional slide; circle drawing for highlighting items or enhancing forms; interactive graphics to let you see instantly the text chart or lines for instant feedback; vertical and horizontal formats; area fill; block moves; project management charts; one to four pie charts per page; single and multiple line charts; and single, clustered, stacked, and negative bar charts.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required
HP Series 200 (D)	BASIC 3.0	230K
HP Models 310, 320 (D)	BASIC 4.0	230K

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- 9872

PRESENTATION GRAPHICS

SLIDE/250

HEWLETT-PACKARD GMBH
Herrenberger Strasse 130
7370 Boblingen, Federal Republic of Germany
(49) 7031 14-0

Suggested Retail Price \$350
(U.S. List)

Slide/250 is a graphics package for creating textual presentation materials. Text can be prepared on paper for inclusion into reports or prepared on transparencies for presentations. Combined with DSG/250 and a supported HP plotter, Slide/250 provides a complete low-cost graphics system.

A wide variety of character types are supported. Flexibility allows you to specify character size, color, and position on the page. The proportionally spaced Roman and stick character faces can be enhanced with boldface, italics, and underlining. The uniformly spaced Europlat, English, Gothic, and hardware sets can be underlined.

Slide/250 can be used from all HP 250 and 260 workstations. Up to 11 users can use Slide/250 — the only limitation is the number of plotters on the system.

Slide/250 allows first-time users to design and produce high-quality textual presentation materials. It offers a variety of character types to increase communication effectiveness. Text created by Slide/250 can be stored on the HP 250 or 260 system and retrieved later for updating or periodic use.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 250 (D)	Native	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP 260 (D)	Native	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SPSS GRAPHICS

SPSS, INC.
444 North Michigan Avenue — Suite 3000
Chicago, IL 60611
(312) 329-3500

Suggested Retail Price \$8000
Discounts Available for Academic Sites (U.S. List)

SPSS Graphics is an interactive display system that runs from a user-friendly interface utilizing menus and fill-in forms. Available as an option to the SPSS-X statistical analysis system, SPSS Graphics offers a wide range of complex chart types for information display needs.

With SPSS Graphics, you can produce bar charts — grouped range and population pyramid; pie charts — simple and radial; line charts — difference, area, conversion, multiple scale, and projection; statistical charts — scatter plots, histograms, and series charts; and maps — choropleth and prism maps.

In addition, the user may combine charts on a single page, with complete control over the placement and size of each chart. And text charts can be generated for highlighting and explanation.

For novices and occasional users, SPSS Graphics contains a set of default specifications to create a chart in a few simple steps; scaling layout, color, type, style, patterns, legend, labels, and more are automatically generated.

For more experienced users, SPSS Graphics allows complete control over most graphic elements in a chart. You can choose color; type size, style, and weight; fill patterns, layout; scaling; and more.

SPSS Graphics handles an unlimited number of cases, accepts data from an SPSS-X system file, a previously saved graphics data file, or terminal data entry. And SPSS Graphics is one of the only packages with built-in data aggregation required facilities; this eliminates the need for externally programmed aggregation required by most other systems prior to drawing a chart.

SPSS Graphics has been designed to run on a wide variety of terminals and plotters. Portable to several computers and operating systems, SPSS Graphics will continue to serve graphic display needs in new machine environments.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

SPSS has a technical telephone hotline to offer assistance.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DEC VAX (L)	VMS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	CMS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	OS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

TELL-A-GRAF

ISSCO
 10505 Sorrento Valley Road
 San Diego, CA 92121
 (619) 452-0170

Suggested Retail Price \$10,400-\$65,000
 (U.S. List)

TELL-A-GRAF is a business graphics application software program, using English commands, designed for easy use by the nonprogrammer. Its capabilities include vertical and horizontal bar charts, line charts, pie charts, and text pages.

Standard choices for shading, type style, and so forth are simply changed to customize and enhance a chart for even the most demanding presentation need. For example, the commands "Generate a bar chart. Put X-axis in months. Label Y-axis Volume. Title chart Product Sales" requires only data to be complete.

TELL-A-GRAF has worldwide acceptance and application, supporting both American and European unit measure and decimal notation. Basic options available for TELL-A-GRAF include shaded presentation character fonts, text pages, a facility to input data from application programs and a post-processor which allows a plot to be sent to any output device.

Advanced options include: CUECHART, a booklet of chart stencils that prompt the user only for needed data to complete predesigned charts; THE DATA CONNECTION, a powerful portfolio of four programs to access computerized data and produce charts automatically; and TELLAPLAN, project management and planning software.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting □ On-Site System Engineers
- On-Site Consulting □ Remote Dial-in
- Mail-in Support □ Program Modification

Support Comment

Complete on-site and regional education programs.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 9000	(D) HP-UX	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
DEC VAX 730; 750/780	(L) VMS/UNIX™	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Honeywell 66/68 (DPS-8)	(L) N/S	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
IBM 30XX	(L) MVS/CMS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
IBM 4331	(L) MVS/CMS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
MicroVAX II	(L) VMS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Prime 2250;150-850	(L) Primos 19	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B

THE DGI ORGANIZATION

DECISION GRAPHICS, INC.
 P.O. Box 2776
 Littleton, CO 80161
 (303) 796-0341

Suggested Retail Price \$175
 (U.S. List)

The DGI Organization is an easy-to-use, menu-driven program that will have you creating organization charts as soon as you sit down at the keyboard.

Just input the data for your organization and save it for future use. When you need to make a change, it will take only a matter of minutes for you to reload the data from the diskette, make the needed changes, and plot your updated organization chart.



VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apple IIc (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple IIe (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple II plus (L)	DOS 3.3	48K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PCjr (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PRESENTATION GRAPHICS

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
3-D GRAPHIXX	Universal Intergraphics Corporation	9-3
ACX VM Printer Manager	ACX Software	11-3
Anvil-1000MD	Manufacturing & Consulting Services, Inc.	9-6
ASYST	Macmillian Software Company	7-3
CONTOUR	Civilsoft	5-5
CPERT	Collins & Associates	4-3
Data Evaluation Program	R & L Software	6-4
Data Evaluation System	R & L Software	6-5
Design Board 3D	MEGA CADD, Inc.	9-17
Design Board Professional	MEGA CADD, Inc.	9-18
Diagram-Master	Decision Resources, Inc.	3-3
Diagraph	Computer Support Corporation	3-4
DI-TEXTPRO	Precision Visuals, Inc.	3-5
Drawing Gallery	Hewlett-Packard Company	3-6
EMU-TEK Level 2/Level 3	FTG Data Systems	11-8
EnerConnect Program 1	Enertronics Research, Inc.	11-6
EnerGraphics 1.3	Enertronics Research, Inc.	9-21
GEOPLOT	Geological Systems, Inc.	5-6
Graphics Editor	Hewlett-Packard Company	3-7
GRFX1	RDS Systems, Inc.	3-8
HPDRAW	Hewlett-Packard Company	3-9
HPMap	Hewlett-Packard Company	5-7
IN*A*VISION	Micrografx, Inc.	9-31
LC DATA	Collins & Associates	4-5
MacPlots II	Computer Shoppe	11-16
MacPlot Standard	Microspot	11-15
Map-Master	Decision Resources, Inc.	5-8
PC/Focus	Information Builders, Inc.	1-14
PC Presents!	Imedia Corporation	3-10
Plot It	Collins & Associates	10-17
Plotstart	SoftStyle, Inc.	11-21
Scientific Plotter-PC+	Interactive Microware, Inc.	7-4
SHOWTEXT	Timeware Corporation	3-11
Sign-Master	Decision Resources, Inc.	3-12
SlideWrite	Advanced Graphics Software, Inc.	3-13
TEKMAR Graphics Library	Advanced Systems Consultants	11-25
Template	Megatek	11-26
TextCharts	Hewlett-Packard Company	3-14
The DGI Signmaker	Decision Graphics, Inc.	3-15
The DGI Type Shop	Decision Graphics, Inc.	3-16

TEXT & SYMBOLS

Packages that create text charts,
organization charts, and flow diagrams



DIAGRAM-MASTER

DECISION RESOURCES, INC.
 25 Sylvan Road South
 Westport, CT 06880
 (203) 222-1974

Suggested Retail Price \$375
 (U.S. List)

Diagram-Master produces presentation-quality organization and Gantt charts, as well as free-form diagrams in minutes. Unlike simple paint or drawing programs, Diagram-Master produces diagrams in two ways: prompt-driven applications simplify creation of frequently used diagrams such as Organization and Gantt charts; and the Drawing Board helps produce custom free-form diagrams in minutes. Diagram-Master offers eight colors and eight fonts, including two new Helvetica-like Swiss fonts and the symbol font.

With Diagram-Master's unique Drawing Board, enhanced with a library disk of 101 frequently used business shapes, a user can design free-form diagrams on screen to simplify complex concepts and create custom designs such as logos. Hard disk users can install Diagram-Master on their hard disk, eliminating the need to insert a floppy disk each time they use the program.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Optional maintenance plan for automatic updates and a monthly customer newsletter.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

On-site training for national accounts.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq Deskpro (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq PC Plus (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq Portable (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM 3270 PC (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM AT (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM PC/XT (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221

TEXT & SYMBOLS

DIAGRAPH

COMPUTER SUPPORT CORPORATION
 2215 Midway Road
 Carrollton, TX 75006
 (214) 661-8960

Suggested Retail Price \$395-\$695
 (U.S. List)

Diagraph is a breakthrough in business graphics software. So completely interactive, even novice users can quickly create a wide variety of professional-looking organizational charts, forms, flow charts, diagrams, signs, word charts and presentation aids.

Over 2,200 symbols are included with Diagraph. Arrows, borders, accents, stars, word balloons, icons and pictorials are some of the categories. Thousands of optional symbols are also available. Custom libraries and company logos can be made to order.

Symbols can be placed anywhere on the screen and then moved, stretched, compressed, rotated, flipped upside down and mirrored to present an unlimited number of variations. Symbols can be shaded in one color, using any of 54 shading patterns, and outlined in another color.

Connect symbols or draw freeform lines, each in its own color and linetype. Tokens (arrows, diamonds, squares, circles, etc.) can be inserted at any point when drawing a line or automatically generated at the beginning and ending points of the line.

Titles, labels and blocks of text can be added anywhere on the chart. Thirteen typefaces include high-resolution, solid-fill characters that add a professional quality to your presentations. Highlight words and phrases in italics or bold face type.

Diagraph supports a wide range of printers, HP plotters, and HP 7510 color film recorder. No other business graphics software can match the flexibility and versatility of Diagraph.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Integral PC	(D) HP-UX	768K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Series 200	(D) HP	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Series 300	(D) HP-UX	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Touchscreen PC	(D) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300	(L) MS™-DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq	(L) MS™-DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 3270 PC	(L) MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L) MS™-DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L) MS™-DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

DI-TEXTPRO

PRECISION VISUALS, INC.
6260 Lookout Road
Boulder, CO 80301
(303) 530-9000

Suggested Retail Price \$1500-\$4800
(U.S. List)

DI-TEXTPRO provides rich set of high quality, polygonal text capabilities featuring ten different type faces, characters drawn as outlines or solids, individual color control for character edge and character control, and italic for all type faces.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Award-winning documentation and on-site and in-house training.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required
DEC VAX (L)	VMS	N/S
IBM (L)	VM/MVS	N/S

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B

DRAWING GALLERY

HEWLETT-PACKARD COMPANY
10520 Ridgeview Court
Cupertino, CA 95014
(408) 725-8111

Suggested Retail Price \$345
(U.S. List)

Drawing Gallery is a presentation graphics package that allows customers to create simple text slides, organization charts, flow charts, and other illustrations. Drawing Gallery can be used independently or together with Charting Gallery and Executive MemoMaker to provide integrated text and graphics.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC (D)	MS™-DOS 2.0	384K	■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B ■ ColorPro

GRAPHICS EDITOR

HEWLETT-PACKARD/FORT COLLINS
3404 East Harmony Road
Fort Collins, CO 80525
(303) 226-3800

Suggested Retail Price \$445
(U.S. List)

Graphics Editor is a general-purpose drawing program for creating presentation graphics mixing text and graphics. The user can create flow diagrams, pictures, simple schematic diagrams, text slides, and more. A wide range of editing capabilities allows manipulation of design elements. Graphics Editor is a functional tool that is easy-to-learn and is useful for a variety of tasks, ranging from office memos to technical communication. You can also electronically merge graphics into a report with HP TechWriter document-processing software.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required
HP Model 310 (D)	Standalone	512K
HP Model 236C (D)	Standalone	768K
HP Series 200 (D)	Standalone	512K

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- 9872

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- 9872

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- 9872

GRFX1 — THE FONT SYSTEM

RDS SYSTEMS, INC.
6110 Executive Boulevard — Suite 605
Rockville, MD 20852
(301) 984-1989

Suggested Retail Price \$150
(U.S. List)

This is the Fonts package containing 12 different types of fonts with an unlimited sizing capability — from 0.1 inch to 10-inches or higher with adjustment within the scale of the plotter unit.

Additionally, it contains over 250 symbols — music, weather, scouts, road signs, graphic symbols, math symbols, astrological signs, and others.

The Font System supports horizontal and vertical printing, centering, left and right justification, and auto scaling. Among the fonts are Romans, Greeks, italics, Gothics, and scripts. The package has an easy-to-use, menu-driven user interface.

This package is useful for many applications, including special invitation, graphic arts, and management briefings. Thorough documentation describes step-by-step procedures to create sample messages and texts.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Any program error is fixed free at no cost for 90 days.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Columbia (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
PC Compatibles (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

HPDRAW

HEWLETT-PACKARD COMPANY
10520 Ridgeview Court
Cupertino, CA 95014
(408) 725-8111

Suggested Retail Price \$4000
(U.S. List)

HPDRAW is a graphics software subsystem for presentation text and figure design on the HP 3000. Drawings created with HPDRAW may be plotted on paper or overhead transparency film, or merged with a textual document for printing.

With a choice of fonts, line types, geometric shapes, symbols, and simple figures, HPDRAW is ideal as the first graphics software for an organization producing illustrated textual presentation aids.

HPDRAW is designed for any user with the need to produce presentation aids — secretaries, administrative support, business professionals, managers, and technically sophisticated users. It can improve the productivity of an organization by reducing the time spent in manual preparation of visual aids.

HPDRAW can include charts produced by HPEASYCHART and DSG/3000. It offers a flexible menu-driven user interface, high-quality fonts in different sizes and colors, lines, arcs, circles, arrows and boxes, rotation, scaling and figure creation, freehand sketching via a graphics tablet, and easy storage, retrieval, and revision of drawings and figures. A library of commonly used symbols, logos, and illustrations are provided.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)

HP 3000 (D)

Operating System(s)

MPE

Memory Required

1MB

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro

PC PRESENTS!

IMEDIA CORPORATION
20833 Stevens Creek Boulevard — Number 101
Cupertino, CA 95014
(408) 255-5500

Suggested Retail Price \$495
(U.S. List)

PC Presents! is an integrated extension of Lotus 1-2-3™ that lets you extract named graphs from Lotus 1-2-3™ worksheets, enhance them with professional design, create word charts and tables, and output full color presentations on paper, transparencies, and slides. All with automated ease.

Best of all, if you're a Lotus user, you already know how to use PC Presents! It looks and feels just like 1-2-3™. Extend the power of your spreadsheet from desktop to the meeting room.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free hotline.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

Effective Presentation Seminar. On-site training for volume customers.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM PC/XT (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SHOWTEXT

TIMEWARE CORPORATION
390 Bridge Parkway — Suite 100
Redwood City, CA 94065
(415) 591-5700

Suggested Retail Price \$19,500
(U.S. List)

SHOWTEXT produces quality visuals quickly — striking word charts and graphs, drawn either on paper or on transparency film for projection.

Over 100 formats, designed by graphic artists for impact and readability, adapt automatically to the text or data you supply. SHOWTEXT handles all the tedious layout chores. You simply select a format and supply your text (or text and data values for a graph) — SHOWTEXT does the rest.

SHOWTEXT provides the charts managers need most — text charts for titles, outlines, or paragraphs; tables and financial reports; daily, weekly, or monthly calendars; organization charts; and graphs such as line plots, bar charts, pie charts and scatter diagrams.

You can add your own touches. You can change the color, type size, or style of any text; insert bullets; underline or italicize words; add frames; or vary the size and shape of the page. And you can obtain fast preview copies of your charts for review.

An invaluable tool for presentations, SHOWTEXT can also be used to prepare report tiles, exhibits, notices, handouts, flyers, certificates, invitations, name tags, and more. Its simplicity of use ensures fast turnaround and predictable results.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Amdahl (L)	MVS/VS	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM (L)	MVS/VS	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
NAS (L)	MVS/VS	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

SIGN-MASTER

DECISION RESOURCES, INC.
 25 Sylvan Road South
 Westport, CT 06880
 (203) 222-1974

Suggested Retail Price \$245
 (U.S. List)

Sign-Master is an easy-to-use, menu-driven graphics program that lets you create text pages, outlines, headlines, financial tables, instruction materials, and other effective presentation-quality word charts.

Simply enter your text, preview it on your color or monochrome screen, and produce it on your plotter. Then add life to your sign by choosing from among Sign-Master's many text and plotting options.

Using Sign-Master, you can select from a variety of type styles — standard, bold, Roman, script, Gothic, and others — and up to 16 different text sizes to highlight a single letter, word, or line. You can use symbols for a dramatic emphasis; create or edit your own alphabets or symbols with a font editor; specify italics, justification, vertical or horizontal plotting; control the size, placement, and orientation of your sign; and create tables quickly and easily with Sign-Master's Table Mode.

With Sign-Master, you can transform ordinary-looking presentations, proposals, reports, announcements, and other business documents into dynamic, persuasive and attractive communication pieces.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Optional maintenance plan for automatic updates and a monthly customer newsletter.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

On-site training for national accounts.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq Deskpro (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq PC Plus (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
Compaq Portable (L)	MS™-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM 3270 PC (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM AT (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221
IBM PC/XT (L)	PC-DOS	192K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7221

SLIDEWRITE

ADVANCED GRAPHICS SOFTWARE, INC.
33 West Maude Avenue — Suite 105
Sunnyvale, CA 94086
(408) 749-8620

Suggested Retail Price \$225
(U.S. List)

SlideWrite creates presentation-quality text charts on paper and overhead transparency film. SlideWrite is easy-to-use — just type in text like you do on your word processor. SlideWrite can also read ASCII text files created on word processors such as WordStar®, spreadsheets like Lotus 1-2-3™, and other programs. Use the function keys to change a character, word, or a whole line of text to the style and size you want.

SlideWrite features “what you see is what you get” editing of text in different fonts, weights, sizes, and styles. Charts can be enhanced with lines, arrows, boxes, and circles anywhere on the page for that finishing touch. Now you can see right on the screen what your chart will look like as you create it.

SlideWrite takes advantage of the high resolution of Hewlett-Packard plotters to give you true presentation-quality output. SlideWrite draws characters with smooth curves rather than jagged lines seen on many products. And the text is bold, so it holds up well to projection. You can easily read the text — even in the back of the room.

SlideWrite works well with a variety of plotters in HP's line. For example, the program will pause for pen changes with the HP 7470A, it supports both A- and B-size paper on the HP 7475A, and it uses the HP 7550A's automatic sheet feed capability to print out a group of charts all at once. SlideWrite can even do posters nearly 4 feet tall on the HP 7585 Drafting Plotter — and the characters look smooth and bold even at that size.

Customers consistently rate SlideWrite's ease of use and high-quality output as SlideWrite's best features.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Advanced Graphics Software provides free technical support for all users and dealers.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Compaq (L)	MS™-DOS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro
IBM 3270 PC (L)	MS™-DOS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro
IBM AT (L)	MS™-DOS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro
IBM PC/XT (L)	MS™-DOS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro

TEXTCHARTS/PC

HEWLETT-PACKARD COMPANY
 10520 Ridgeview Court
 Cupertino, CA 95014
 (408) 725-8111

Suggested Retail Price \$200
 (U.S. List)

TextCharts is a software program that creates bold, professional text charts for overhead transparency presentations. TextCharts is for anyone who needs to make more professional and persuasive presentations. TextCharts overheads look much more professional than hand-written or typed overheads.

TextCharts is far more economical than a graphic arts service; in fact, since slides prepared by an outside service frequently cost up to \$40 and TextChart's overheads cost about \$1.50 each, TextCharts and an HP plotter can pay for themselves in just a few presentations.

TextCharts offers Helvetica-style filled characters, on-screen function key labels, line and box annotations, and both plotter and printer output. Best of all, TextCharts gives you full control of your charts, and lets you make last minute changes quickly and easily.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Vectra (D)	MS™-DOS 2.0	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (D)	DOS 2.0	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (D)	DOS 2.0	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

THE DGI SIGNMAKER

DECISION GRAPHICS, INC.
 P.O. Box 2776
 Littleton, CO 80161
 (303) 796-0341

Suggested Retail Price \$75
 (U.S. List)

The DGI Signmaker will let you create word charts quickly and simply. The DGI Signmaker is an easy-to-use, yet powerful menu-driven program that allows you to create, edit, and plot your words on paper or transparencies. The plot options let you plot horizontally or vertically, and select justification and letter size.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apple IIc (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple IIe (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple II plus (L)	DOS 3.3	48K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PCjr (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

TEXT & SYMBOLS

THE DGI TYPE SHOP

DECISION GRAPHICS, INC.
 P.O. Box 2776
 Littleton, CO 80161
 (303) 796-0341

Suggested Retail Price \$175
 (U.S. List)

The DGI Type Shop will help you create presentation-quality text graphics quickly and easily. The DGI Type Shop gives you complete control of the alphabet, with plot options that control justifications, letter height and width, vertical or horizontal plotting, pen selection, and type style. Type options include Agatha, Computer, normal, slant, and bold. Ten optional fonts are available that range from format script to Greek.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apple IIc (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple IIe (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple II plus (L)	DOS 3.3	48K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Columbia (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PCjr (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

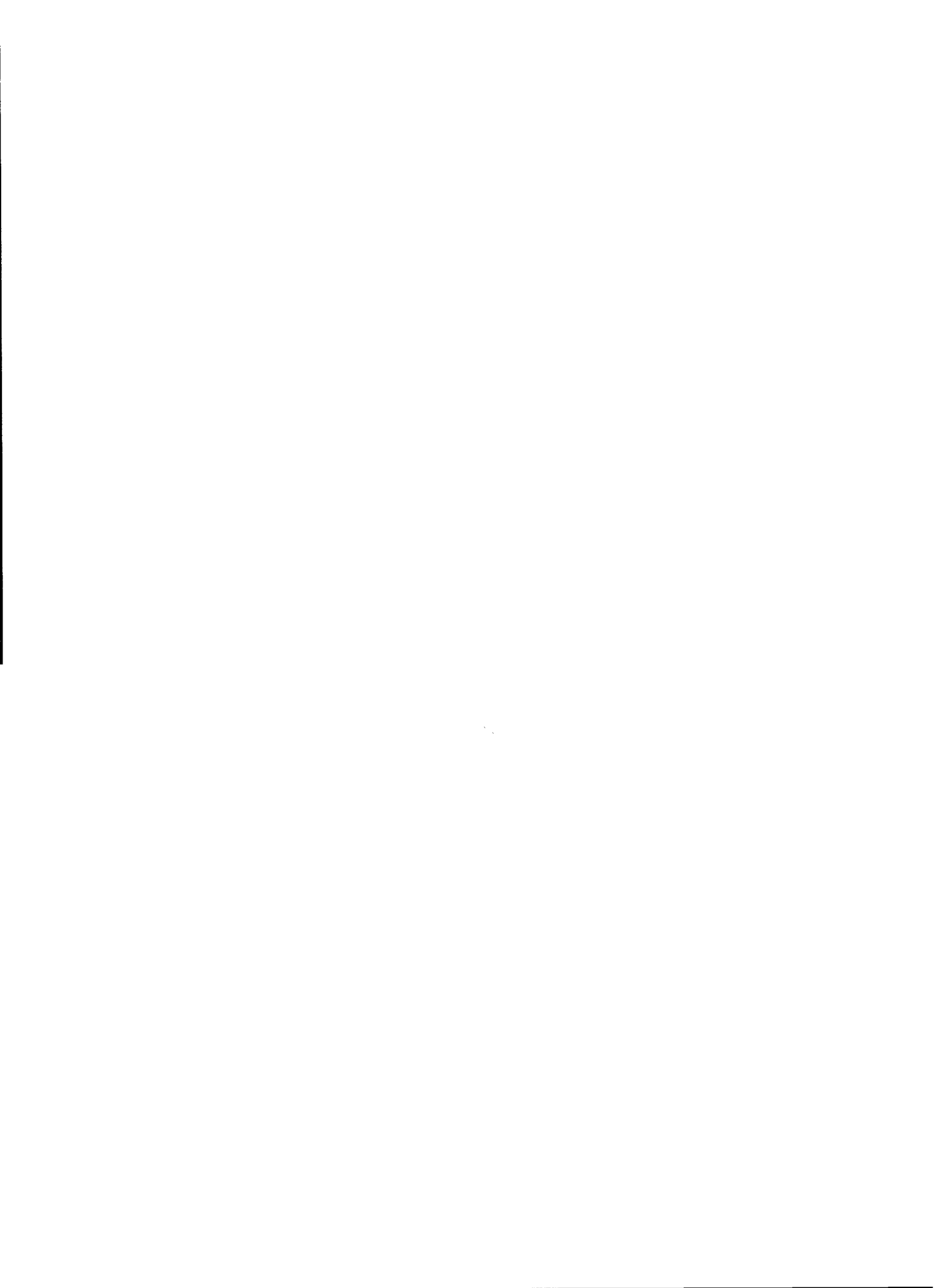
You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
3-D GRAPHIXX	Universal Intergraphics Corporation	9-3
ACX VM Printer Manager	ACX Software	11-3
Anvil-1000MD	Manufacturing & Consulting Services, Inc.	9-6
Boardroom Graphics	Analytical Software	2-6
GEM Draw	Digital Research, Inc.	2-24
Graph Business Graphics	CompuVision International	2-25
GRAF/3000	Computer Resources, Inc.	2-26
GrafTalk	Redding Group, Inc.	2-29
N*A*VISION	Micrografx, Inc.	9-31
Palette	Palette Systems, Inc.	9-37
Plot It	Collins & Associates	10-17
Presentation Graphics	Arens Applied Electromagnetics	2-50
Robo CAD-PC	Robo Systems Corporation	9-40

PROJECT MANAGEMENT

**Packages that plot project schedules,
event planning, and project status reports**



CPERT

COLLINS & ASSOCIATES
187 Flying Mist Isle
Foster City, CA 94404
(415) 571-6991

Suggested Retail Price \$180
(U.S. List)

CPERT is a powerful and comprehensive project management tool for all levels of management faced with planning and/or managing a project from the smallest to the most complex. It enables a person to plan and then measure progress against the plan and take corrective action. CPERT will focus attention on the crucial problem areas and save time and money on any project to which it is applied. The basic principals of CPERT have been time proven in thousands of projects of all sizes in industry and government.

With it you can plan and follow the progress of any type of a project that can be broken down into defined tasks with time and cost elements. As supplied the program accommodates 300 tasks. This limit is a function of total CPU memory and larger networks can be supplied for systems with larger memories. CPERT combines all the features of Critical Path Management and Program Evaluation Review Technique, with modifications as proposed by Harvard Business Review and additions from Collins & Associates.

The program calculates the critical path of a project based on user inputs, in terms of time, number of people, labor costs, non-labor costs and total cost by task, critical path tasks only, and total project. All or any portion of this data is available in displayed or printed form and can be plotted on the CRT or an external plotter. Both A- and B-size plots are supported on the HP 7475 and 7550 plotters. Plots on the CRT can be printed on the printer and/or stored to disk memory. Time base of the data can be in hours, days, weeks or months and may be changed at will during the program. The hours per day and the days per week are also selectable and can be changed at any time. A given period of time can be expanded in scale for a detailed look at any portion of a project.

Percentage probability of completing any task, the critical path or the total project in any given time or cost can be calculated.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

On-site consulting available on a fee and expense basis.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

Programs do not require training to operate.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-86 (D)	HP BASIC	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7585B
HP-87 (D)	HP BASIC	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7585B

PROJECT MANAGEMENT

HP PROJECT MANAGEMENT

HEWLETT-PACKARD/FORT COLLINS
3404 East Harmony Road
Fort Collins, CO 80525
(303) 226-3800

Suggested Retail Price \$500
(U.S. List)

Project Management analyzes and performs PERT, CPM, and MPM network analyses and produces GANTT chart output. In addition to formulating the basic plan, network analysis follows the project closely, anticipates problem areas, and generates alternative plans. It can identify an area critical to the project's completion and allows it to be controlled — the critical path method. HP Series 300 computers require the use of the HP 98546A compatibility mode interface.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200	(D)	BASIC 3.0	30K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 9872 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Models 310 & 320	(D)	BASIC 4.0	30K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 9872 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

LC DATA

COLLINS & ASSOCIATES
187 Flying Mist Isle
Foster City, CA 94404
(415) 571-6991

Suggested Retail Price \$105
(U.S. List)

LC Data is a time and cost forecasting program that provides a major tool for production, marketing, and general management people for making those important decisions on manpower, prices, and material. With LC Data the user can calculate the learning curve and then forecast future unit and lot production hours and costs. Several means are provided to calculate these values from actual production runs. If no production data is available, forecasts can be made from similar products or industry standards.

Data can be plotted on an external plotter or the CRT for graphic presentation and records. The plots can be done on linear scales, semi-log scales or log-log scales to best depict the data. Plots done on the CRT may be copied to the printer and can also be saved on disk for record purposes. Both A- and B-size plots are supported on the HP 7475 and 7550 plotters.

LC Data gives management a very powerful tool to forecast costs and price levels against competition. The techniques have been well established in industry for many years and now LC Data gives the user a fast and complete way to make use of these techniques with a minimum effort and low cost.

PROJECT MANAGEMENT

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

On-site consulting available on a fee and expense basis.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

Programs do not require training to operate.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-86 (D)	HP BASIC	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP-87 (D)	HP BASIC	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PERTPLOTTER

WESTMINSTER SOFTWARE
 2570 El Camino
 Mountain View, CA 94040
 (415) 424-8300

Suggested Retail Price \$495
 (U.S. List)

PertPlotter is the network drawing facility of PertMaster, Westminster Software's Project Scheduling System. PertPlotter can produce drawings of Arrow and Precedence plans using industry standard notations. A high quality, graphic representation of your plan can appear on a number of plotters and printers.

A variety of options for the drawing are provided. Colors and line styles highlight the salient features of a drawing, such as critical or completed activities. The various fields of an activity, duration, and float for example, are individually selectable. Drawings can be produced in a spectrum, from just activity numbers showing, to drawings with full descriptions, start and finish dates, durations and total float.

PertPlotter will also limit the drawing, at your discretion, to only those activities within a time window. Activities outside the time window are not displayed. Relationships with activities outside the time window are shown using special off-plot connectors, a symbol reserved for this purpose.

Should the size of text be wrong, you can change it with PertPlotter. Horizontal and vertical scaling factors can be specified.

PertPlotter will give you a new view of your project.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC (D)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Burroughs B25 (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC Rainbow 100B (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Tandy 2000 (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
TI Pro (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Victor 9000 (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

PLOTTRAK

SOFTRAK SYSTEMS
 P.O. Box 22156 AMF
 Salt Lake City, UT 84122
 (801) 531-8550

Suggested Retail Price \$395-\$595
 (U.S. List)

PlotTrak is a companion to the MicroTrak project management software program. MicroTrak aids you in planning and creating your project schedules and providing printed reports and bar charts. PlotTrak then enables you to produce a plotted visual representation of your schedule that effectively communicates project time frames and priorities to others interested in the project.

What you actually produce with PlotTrak is a time-scaled precedence network diagram, using your computer and one of the various HP pen plotters. This diagram shows the interrelationships between activities so that you can quickly assess what may happen if an activity is delayed. You may choose to highlight a particular feature so that your schedule communicates different things to different people. For instance, you may highlight the critical path so that it is the dominant feature. Or you may want to show activities so that the individuals responsible see only those activities in which they are involved.

With PlotTrak you can choose paper sizes from 8½ × 11 in. to 34 × 44 in. Plus you can use the time scale you want — daily, weekly, or monthly. Further, PlotTrak allows you to select any portion of a project for your plot. You may, for example, select only certain items over a specified time period. All that you need to enter in PlotTrak are the choices that tell PlotTrak (1) how you want your network diagram formatted, and (2) which MicroTrak schedule attributes to select for your plot.

In fact, that is all you need to do with PlotTrak. You need not enter project data, which has already been entered using MicroTrak. Just decide what you want to show in your network diagram, how you want it formatted, and then sit back and watch your plotter draw the network diagram.

PlotTrak will aid in the communication process both during initial planning and proposal stages as well as during the implementation and production stages of a project. With PlotTrak you can have a professional, easy-to-read network diagram of your schedule that is as current as your most recent schedule update.

PROJECT MANAGEMENT

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Critical path method schedule training, including how to use a computer to facilitate CPM scheduling.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Integral PC	(D) HP-UX	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
HP Models 217, 220, 236	(D) HP-UX	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
HP Touchscreen PC	(D) MS™-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Altos 586 or 986	(L) Xenix	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
AT&T 3B2	(L) UNIX™	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM AT	(L) PC-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM PC/XT	(L) PC-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Tandy 6000	(L) Xenix	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
TI Pro	(L) MS™-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Wang PC	(L) MS™-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B

PRIMAISION/PRIMAVERA PROJECT PLANNER

PRIMAVERA SYSTEMS, INC.
 Two Bala Plaza — Suite 925
 Bala Cynwyd, PA 19004
 (215) 667-8600

Suggested Retail Price \$1500
 (U.S. List)

Primavision is a powerful graphics program for producing presentation quality network logic and bar charts. It is used in conjunction with Primavera Project Planner for complete project control.

The program enables you to indicate project performance by highlighting progress to date, critical activities as well as the critical path to completing the project within the required time frame. All of this information is presented against an accurate timescale.

Primavision offers extensive customizing ability. You can choose the timescale, the precise start and end dates of the plot, and the sequence in which activities are drawn. Horizontally, activities may be grouped by department, phase, discipline, or other categories. You can create multiple page plots that are precisely matchlined — up to 10 pages wide by 16 pages deep.

Primavision enables you to compare current schedule against one of two target plans so you can easily identify what's ahead and what needs attention. And, you can suppress float information. You can also choose to plot certain early or late data information.

In multi-page plots you can tailor the plot to suppress connectors or to insert connectors rather than span more than 'n' sheets in any direction.

With Primavision, you can choose the size of the bars as well as vary letter size. And, of course, the choice of colors is up to you.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Hotline support (8:00 a.m. to 6:00 p.m.), updates, and enhancements free for one year from date of purchase.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Burroughs B25 (L)	MS™-DOS	768K	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Compaq PC Plus (L)	MS™-DOS	512K	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
IBM AT (L)	DOS 3.0	512K	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
IBM PC/XT (L)	DOS 2.0	512K	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
TI Pro (L)	MS™-DOS	640K	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Wang PC (L)	MS™-DOS	768K	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B

PROJECT SCHEDULER 5000 PLUS GRAPHICS

SCITOR CORPORATION
 250 Lincoln Centre Drive
 Foster City, CA 94404
 (415) 570-7700

Suggested Retail Price \$395
 (U.S. List)

Project Scheduler 5000 plus Graphics brings mainframe capabilities to your personal computer. It handles forecasting, scheduling, control, and tracking of project status. Over 5000 activities can be scheduled and spread out over 10,000 time periods. Project schedules are presented using graphics-compatible black and white or color displays depicting critical path, slack time, milestones, early starts, and completed jobs. At a glance, unique plot symbols will let you know whether the project is on time and on target, and if not, why not.

The system provides interactive what-if capabilities, allowing you to make the best decision after trying alternatives. Extensive resource categories allow you to schedule more efficiently. Using these categories, you can assign to an activity an almost limitless amount of resources. The program can combine projects to give you a complete overview of where and when resources are used. Graphics presentations can be condensed allowing you to visually compare multiple projects quickly.

You can select the resolution you need — days, weeks, or months. In addition, you can break days into as many as 99 units to provide detailed shift or hour resolution. Compressed format is available allowing you to display, on the screen or for a report, up to 60 days, weeks, or months of a project. Reports and Gantt charts can be printed or plotted for hard copies or stored on disk for future use. Presentation-quality resource and cost graphics are available by using a color plotter.

Using presentation-quality financial line graphs, resource histograms, resource bar graphs, and other high-impact displays, Project Scheduler 5000 plus Graphics provides additional insight as you study in-depth the effects of resource allocation, labor usage and distribution, and cost spreads.

PROJECT MANAGEMENT

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Technical support by phone is provided and available during regular business hours.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

The manual includes a tutorial section containing eight lessons which guide the user step-by-step through the program.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC (D)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC Rainbow (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Grid Compass (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
TI Pro (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PROJECT SCHEDULER NETWORK

SCITOR CORPORATION
250 Lincoln Centre Drive
Foster City, CA 94404
(415) 570-7700

Suggested Retail Price \$495
(U.S. List)

Project Scheduler Network is a project management software program which utilizes the Critical Path Method to determine the critical path, slack time, and status of each job within the project. The schedule can be displayed in both a network diagram and in a Gantt chart form, and after every modification, the critical path is automatically recalculated.

The integrated report generator provides hard-copy output of project data, schedules, networks, and resource information. Many of these reports allow the user to select the jobs and data to be included in the report. The Gantt Chart and Network reports can be plotted for presentation-quality copies in color, and they are scaled as specified by the user. The user may also specify any paper size up to 22 by 34 in.

In addition to the reports, Project Scheduler Network provides a variety of resource histograms and cost line graphs. These graphs can be quickly displayed on the screen, windowed to a particular time frame, and scaled. Once a graph is displayed, it can be printed or plotted with just a single keystroke.

Other major features of Project Scheduler Network include the ability to implement a Work Breakdown Structure (WBS) and summarize related jobs by WBS codes in the Gantt chart, multiple project resource analysis, comparison of baseline and current schedules, and spreadsheet-style data entry.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Technical support by phone is provided and available during regular business hours.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

The manual includes a tutorial section containing eight different lessons which guide the user step-by-step through the program.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

VUE

NATIONAL INFORMATION SYSTEMS, INC.
 20370 Town Center Lane — Suite 130
 Cupertino, CA 95014
 (408) 257-7700

Suggested Retail Price \$995-\$20,000
 (U.S. List)

VUE is an interactive project management system that uses the critical path method, spotlighting those activities whose timely completion is critical to finishing the project on schedule. Up to 3,000 activities can be tracked per project, with 99 related projects available through the multi-project option.

VUE is an easy-to-use menu-driven system with minimal training needed for entering project information and generating reports. The project manager can use VUE to modify information and see the project from several perspectives, generate several "what if" scenarios before work actually begins, and, as work progresses, to respond to unexpected developments with new schedules and strategies.

VUE's reports show the impact of changes in timing, cost, and resources on activities and on the project as a whole. These reports can be made to cover the entire project, modified to view the activities falling under the control of one team or department, or used to summarize groups of activities for less detailed reporting. With VUE, selection of the desired combinations of project phase, department, status, and timeframe is easy.

Available options for VUE include multi-project capability, plotter graphics output, custom report generator, and, on some machines, time-scaled network diagram.

VUE began as mainframe software and was ported down to successively smaller machines, bringing along the power of the mainframe. It performs identically on all machines, from the PC to the largest mainframe.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

NIS provides full support services for its software.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is scheduled quarterly at NIS, or can be arranged on-site.

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 3000	(D)	MPE	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
AT&T 3B Series	(L)	UNIX™	640K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
DEC 10/20	(L)	Tops 10/20	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
DEC VAX	(L)	VMS, UNIX™	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
Fortune 32:16	(L)	UNIX™	640K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
Honeywell DPS-6,8	(L)	N/S	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
IBM AT	(L)	PC-DOS	640K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
IBM PC/XT	(L)	PC-DOS	640K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
IBM VM/CMS	(L)	VM/CMS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
Perkin Elmer 3200	(L)	UNIX™	640K	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B

“WHAT IF . . .?”

H.E.A.D. CONSULTING, INC.
 1003 Sunnybrooke Drive
 LaFayette, CA 94549
 (415) 947-0227

Suggested Retail Price \$1450-\$3250
 (U.S. List)

“What If . . .?” is an integrated menu-driven software package for project and business professionals who want to improve the financial returns of their venture and have little or no computer knowledge. It consists of three programs: SIM, AUTO and GRAPH.

The first program, SIM, simulates your most probable base case and can calculate the required funding based on user-defined debt to equity ratios. It can also fit loan repayment schedules, based on a user-defined repayment method. It will print forecasted financial statements and include a financial synopsis report showing the classic Profitability Measures (IRR's and Payback), and Minimum Equity, the Minimum Loan as well as the shortest loan repayment term that the cash flow can support. This program will also generate comments and suggestions in English about your projection.

The second program, AUTO, will automatically alter up to 18 user-defined assumptions, in user-defined steps which default to a range going from 70 percent to 130 percent of the base case assumption. The results are presented in a sensitivity report for each variable studied.

The third program, GRAPH, will automatically lay out and draw the results of user-selected sensitivity reports on a multi-Y-axis graph. The results of every assumption studied are positioned in relation to all other variations simulated. This unique feature allows you to find results of simultaneous changes quickly and to read the answers with precision. Now you can target your financial goals.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in consulting free of charge. Mail-in support and on-site consulting available at an hourly rate plus travel expenses.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training available at an hourly rate plus travel expenses.

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300	(L)	MS™-DOS	192K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Portable	(L)	MS™-DOS	192K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Honeywell PC	(L)	MS™-DOS	192K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L)	MS™-DOS	192K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L)	MS™-DOS	192K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM Portable	(L)	MS™-DOS	192K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
ITT Xtra	(L)	MS™-DOS	192K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 2000	(L)	MS™-DOS	192K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
3-D GRAPHIXX	Universal Intergraphics Corporation	9-3
ACX VM Printer Manager	ACX Software	11-3
Advanced Graphics Software	Auto-Trol Technology Corporation	9-5
EMU-TEK Level 2/Level 3	FTG Data Systems	11-8
GrafTalk	Redding Group, Inc.	2-29

MAPPING

**Packages that have mapping capabilities
which produce contour maps, map
boundaries, and map-projection
transformations**

ATLAS

STRATEGIC LOCATIONS PLANNING

4030 Moorpark Avenue — Suite 123

San Jose, CA 95117

(408) 985-7400

Suggested Retail Price \$349

(U.S. List)

Atlas is an interactive menu-driven software package that generates maps and displays data at the state, county, congressional district, ADI or DMA advertising region, zip code, or census tract levels. You can also create your own boundaries to be mapped. Atlas is easy to learn and use. Preset default values permit fast production of high-quality maps, and easy-to-understand menus allow you to quickly customize maps to meet your special needs.

Atlas provides many of the capabilities found in mainframe mapping packages which cost thousands of dollars. Atlas can overlay two variables on the same map, plot multiple maps on the same page, and pan and zoom in on any geographic area that is of special interest to the user.

Flexibility in map design is the key feature of Atlas. You may select from 300 modifiable hatching patterns, 16 colors, three label sizes, and many options for legend and label placement.

For each variable Atlas can create up to 20 data ranges that you may choose as either being equally spaced or having equal data points — or you may choose up to 20 arbitrary ranges. To assist in range selection for a variable, Atlas displays both window and global summary statistics that include maximum, minimum, mean, mode, median, standard deviation, and frequency distribution.

Hundreds of inexpensive geographic boundary and data files are available for immediate use. You can also use 1-2-3™ from Lotus and VisiCalc® to create files to be mapped by Atlas.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Timely enhancements to software provided at nominal cost.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220
IBM PC/XT (L)	MS™-DOS	192K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7220

ATLAS AMP

STRATEGIC LOCATIONS PLANNING

4030 Moorpark Avenue — Suite 123
 San Jose, CA 95117
 (408) 985-7400

Suggested Retail Price \$449
 (U.S. List)

Atlas and Atlas AMP (Advanced Mapping Package) are affordable microcomputer mapping software programs that let the user generate maps and display data at the state, county, congressional district, ADI or DMA advertising region, ZIP code or census tract levels.

The Atlas packages benefit those involved in site location, target marketing, market research, advertising studies, governmental resource planning, market potential analysis, sales force performance analysis, political analysis, customer penetration studies, and a variety of other areas.

Atlas and Atlas AMP are entirely menu driven and contain comprehensive built-in help screens, making them easy to learn and use. The use of function keys on the keyboard and a function key template facilitate the speedy operation. Atlas can overlay two variables on the same map, plot multiple maps on the same page, and pan and zoom in on any geographic area that is of special interest to the user.

Selective positioning of or deleting of region labels (i.e. ZIP code or county names) lets users create visual displays that suit their individual needs. Screen images of maps may be stored and recalled for future presentation.

For each variable Atlas can create up to 20 data ranges that may be equally spaced, have an equal number of data points, or use ranges specified by the user. To assist in appropriate range selection for a variable, Atlas displays complete statistical information including maximum, minimum, mean, median, standard deviation, mode, and frequency distribution.

Hundreds of inexpensive geographic boundary and data files are available from SLP for immediate use. Lotus 1-2-3™, VisiCalc® or dBASE II™ can be used to create customized data files to be mapped by Atlas.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Unlimited, free phone support.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

Tutorials provided for all major products.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

CONTOUR

CIVILSOFT
 1592 North Batavia Street — Suite 1A
 Orange, CA 92667
 (714) 974-1864

Suggested Retail Price \$790
 (U.S. List)

Contour is a 3D plotting package which allows the user to enter random northing, easting, elevation, or x-y-z data and create a contour map. The data may be entered manually, read from CIVILSOFT's COGO-80/86 or COGO-PC, or from a user defined file. Point descriptions are also allowed for each point. The contour map options include a title, point plot, point descriptions, contours, grid lines, heavy contour lines at specified intervals, defined contour lines at specified intervals, defined contour interval, user defined scale, border, and other features. The final contour map may be displayed either on a screen, plotted on a printer to exact scale or plotted on a supported pen plotter. Contour map data generated by Contour can be transferred with all annotation into an AutoCAD drawing using AutoCAD's data exchange file format.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Call for current schedule and pricing.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Vectra PC (D)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq 286 (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq Deskpro (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Tandy 1200 (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

MAPPING

GEOPLOT

GEOGLOBAL SYSTEMS, INC.
5296 Butternut East
Columbus, OH 43229
(614) 431-0660

Suggested Retail Price \$600-\$995
(U.S. List)

Geoplot is a microcomputer contour mapping system for use in the production of high-quality maps on pen plotters, printers, and CRT screens. It is a modular, menu-driven, and user-friendly technical and scientific system for use in geologic, engineering, hydraulic, and architectural applications.

Geoplot is a free-standing system allowing for data file entry, editing, gridding, grid-editing, isopaching, mapping, and cross-plotting. The system accepts gridded or irregular data with up to 100 horizontal by 500 vertical grid cells. It is fast, and adapts to the user's line-printer width. Geoplot produces maps with no edge distortion and areas of inadequate data are either dotted or blanked appropriately.

Geoplot uses a state-of-the-art local surface-fitting algorithm and has a sophisticated spline routine for smoothing.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Geoplot is supported by both phone and mail-in support combined with tailored modification and consulting.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apple IIc (L)	DOS 3.3	64K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Apple IIe (L)	DOS 3.3	64K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Apple II plus (L)	DOS 3.3	64K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
IBM AT (L)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
IBM PC/XT (L)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B

HPMAP

HEWLETT-PACKARD COMPANY
10520 Ridgeview Court
Cupertino, CA 95014
(408) 725-8111

Suggested Retail Price \$7000
(U.S. List)

HPMap is a quick, easy-to-use business map maker for the office professional. With HPMap, any HP 3000 business computer user can view complex, geographic data in an easy-to-understand format in just minutes. HPMap helps you make a wide variety of business decisions more quickly and effectively.

Both zone maps (showing regions and distributions) and dot maps (showing locations and quantities) can be created by supplying data to a base map. You can also create combination maps, maps with both zones and locations displayed. It's easy to create maps; two libraries are included with HPMap — a library of base maps, including the U.S.A., each state by county and 3-digit zip code; and a library of symbols for use as location markers.

HPMap can scale markers automatically to indicate quantitative value. Users can create their own base maps by editing existing base maps or digitizing new maps via a graphics tablet. Maps created with HPMap can be displayed on an HP graphics terminal, plotted on paper or transparency film with a plotter, merged with a technical document for printing, or sent via electronic mail to other HP 3000 users.

So, with HPMap, you can analyze information more effectively, and you can present your findings to others with full-color plots.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)

HP 3000 (D)

Operating System(s)

MPE V

Memory Required

1MB

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro

MAP-MASTER

DECISION RESOURCES, INC.
25 Sylvan Road South
Westport, CT 06880
(203) 222-1974

Suggested Retail Price \$395
(U.S. List)

Map-Master is a business presentation program which produces geographic maps combined with demographic, economic, or user-defined points of interest, such as sales territories or regions, office or plant locations, sales performance, or marketing data.

Map-Master uses a series of context-sensitive menus, so that a map can be prepared in minutes. Variables can be entered manually, imported from a spreadsheet, or retrieved from a statistics library. A built-in spreadsheet allows easy data manipulation. Custom regions can be created to show sales or marketing areas. Areas can be enlarged or separated for emphasis. Labels, symbols and lines can be inserted anywhere on the map.

Map-Master comes with statistical data for the U.S., including retail sales, age and income, and a general market potential index. Numerous additional maps are available separately, including world maps by country, U.S. by countries, ZIP codes, and metro areas.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM 3270 PC (L)	DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> 7221
IBM AT (L)	DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> 7221
IBM PC/XT (L)	DOS 2.0	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B <input checked="" type="checkbox"/> 7221

MAPWARE

COMPUTER MATHWARE

P. O. Box 1327
Princeton, NJ 08540
(609) 924-6582

Suggested Retail Price \$500-\$700
(U.S. List)

Tables, bar charts, and pie charts are now obsolete: MAPWARE makes your point with clear, colorful maps. With MAPWARE, your IBM PC, PC/XT or PC-compatible, and a Hewlett-Packard plotter, you can draw your data so that anyone can understand it — graphically.

Break down your data by region, state, county, ADI — any way you like. Zoom and enlarge areas of your map, crosshatch or color them, and include titles or legends. Interface with 1-2-3™ from Lotus, dBASE™, and Computer Mathware's DIGIWARE digitizing utility to map information from your present databases.

MAPWARE makes your point in marketing, sales, advertising, demographics, politics — any profession that requires a fast, dramatic presentation.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Computer Mathware provides phone support as well as custom software development and turnkey graphics systems.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

MAXPC MAPPING SOFTWARE

NATIONAL PLANNING DATA CORPORATION
227 Fort Pitt Boulevard
Pittsburgh, PA 15222
(412) 471-6732

Suggested Retail Price \$495
(U.S. List)

The MAXpc Mapping Software brings state-of-the-art thematic mapping capabilities to the personal computer. MAXpc incorporates virtually all of the features of mainframe mapping packages. It delivers a full range of analytic and graphic design functions to the professional seeking to analyze the distribution of census demographics, sales figures, patient origination data — literally any geographically aggregated data item can be displayed in map form.

MAXpc produces color or line-shaded maps, dot density maps, and location-specific incident maps. Automatic placement of geographic labels is a unique advantage. A variety of statistical methods are available for grouping data into unique categories for mapping. Nominal as opposed to numeric categories can also be displayed.

Arithmetic-logical functions are built in, so users can produce maps that highlight only those areas meeting a desired data condition. Map annotation possibilities include location symbols, line drawing, circle and rectangle drawing, and unlimited narrative text. These features allow users to display retail locations and surrounding service areas.

Data entry is an integral part of MAXpc, making it a simple matter to introduce user data for mapping. Also, data stored in popular data base packages are easily converted for mapping with MAXpc. Well-designed system defaults for standard maps make MAXpc ideal for quick start-up mapping. You can be plotting your first map in minutes. At the same time MAXpc gives you the ability to re-design every individual element of the map. Because the system is command-driven instead of menu-driven, you never need to address these design options until you want them.

Cartographic boundary files and demographic data files are readily available from National Planning Data. Census tracts, counties, states, actual 5-digit zip codes, ADI's, DMA's, and Congressional Districts are possible levels of analysis. Custom file development for unique geographic divisions is also available.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

On-site training by contractual arrangement.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

MULTIMAP

PLANNING DATA SYSTEMS
1616 Walnut Street — Suite 2103
Philadelphia, PA 19103
(215) 732-1300

Suggested Retail Price \$295
(U.S. List)

MultiMap is an interactive microcomputer mapping package that includes both digitizing and map display. MultiMap can create map boundary files, add statistical or demographic data, and plot the resulting thematic maps. This package is useful for market research, site selection, urban planning, teaching geography, land records management, etc.

Data such as income levels or sales performance can be grouped in ranges, assigned a color and/or shade pattern, and then combined with boundary files to generate maps. Each polygon (city block, zip code, census tract, etc.) is filled with the color or shade pattern keyed to each data range. The groupings can be displayed in tabular and graphical form (bar charts) as well as mapped form.

Over six hundred boundary files can be purchased from Planning Data Systems for standard areas such as census tracts, zip codes, or counties. MultiMap also supports digitizing custom boundary files which are unavailable commercially, such as city blocks, land parcels, sales territories, etc.

The boundaries of blocks, parcels or other units can be combined to build new boundary files of custom market areas, sales areas, neighborhoods, etc. These larger areas can then be combined with demographic or other data in the same way the original smaller areas were to generate additional maps.

The map display module can be bought separate from the digitizing module. Standard and custom boundary files are available for purchase with the package.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Enhancements to MultiMap are available to registered owners for a nominal fee.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

A complete tutorial is provided with the package including digitized maps on a training diskette.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

STATMAP

GANESA GROUP INTERNATIONAL, INC.
 1495 Chain Bridge Road
 McLean, VA 22101
 (800) 638-2225

Suggested Retail Price \$995
 (U.S. List)

Ganesa brings the power of demographic and statistical mapping to the personal computer with STATMAP. STATMAP is a computer program which helps managers, executives, and professional users generate maps by state, county, zip code area, and more. STATMAP reads statistical data from dBASE II™ and ASCII files and then generates maps onscreen or on a plotter at a small fraction of mainframe cost.

STATMAP has proven to be of great value to managers involved in site selection and location analysis, geographic coding, direct mail targeting, urban and regional trend analysis, sales network analysis, government planning, and political forecasting.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free hotline support available to all registered customers. On-site support on a consulting fee basis.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Columbia PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Corona PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Dimension (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Eagle (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
ISM (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
ITT (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Leading Edge (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

TOPOGRAPHY

PACSOFT, INC.
 330 4th Street — Suite 200
 Kirkland, WA 98033
 (206) 827-0551

Suggested Retail Price \$1000-\$10,000
 (U.S. List)

Topography is an interactive family of programs designed to make full use of three-dimensional data (X-Y-Z coordinates). Randomly distributed data points are used to define a surface which can be depicted graphically in a variety of ways or be used for volume calculations. Different options enable the user to perform a wide range of tasks including contour mapping, earthwork computations, profile and cross section plotting and various three-dimensional projection applications. While developed for the surveying and civil engineering fields, the programs have applications in land planning, geophysics, constructions, mining, engineering, and meteorology. All input is checked for validity. Computer interacts with the operator using familiar terms and phrases; provides editing capability and prompting guides. Coordinates can be read directly from existing data files; information does not have to be re-entered. System outputs information to the CRT, printer or plotter.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free phone support available free for as long as customer has the package. Free updates also.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is \$400/day on-site; \$400/day plus expenses at customer site. Training is not required; sample problems.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 80 (D)	BASIC	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
HP Series 200 (D)	BASIC	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
HP Series 500 (D)	BASIC	756K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
3-D GRAPHIXX	Universal Intergraphics Corporation	9-3
ACX VM Printer Manager	ACX Software	11-3
Anvil-1000MD	Manufacturing & Consulting Services, Inc.	9-6
Contouring System	Precision Visuals, Inc.	11-5
Contour Plotting System	Holguin Corporation	10-7
EMU-TEK Level2/Level 3	FTG Data Systems	11-8
GEOGRAF	GEOCOMP	11-9
GrafTalk	Redding Group, Inc.	2-29
Plot It	Collins & Associates	10-17
Site Comp II V.24	Land Innovation, Inc.	10-18
Template	Megatek	11-26
VersaCAD	T & W Systems, Inc.	9-43

STATISTICAL ANALYSIS

Packages that plot charts for statistical data analysis such as standard deviation, regressions, and distribution



CONTROL CHARTS: X-bar, R, p, and c

SOFTWARE CONSULTING GROUP

P. O. Box 3298

Santa Clara, CA 95055

(408) 446-1008

Suggested Retail Price \$195

(U.S. List)

This package contains several programs that can produce X-bar, R, p, and c charts from user supplied data. Data for the charts can be entered from keyboard disk or tape. Data can be edited, printed and stored. Computed values of mean control limits can be overridden by the user. For X-bar charts, up to 25 samples can be entered for each group; groups need not have the same number of samples. Previously stored data can be updated to produce new charts.



VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-85, 86, 87	(L) BASIC	32K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Touchscreen PC	(L) MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L) MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

STATISTICAL ANALYSIS

DATA EVALUATION PROGRAM

R&L SOFTWARE
 1299 Beacon Street
 Newton, MA 02168
 (617) 964-0992

Suggested Retail Price \$295
 (U.S. List)

The Data Evaluation Program is written especially for the HP Series 80 computers and a HP plotter such as the HP 7470A. The program will both plot experimental data on the external plotter, and fit the data to a variety of mathematical functions by non-linear least squares. All graphics output of this program is directed to the external plotter. The program can be broken down into three sections. The first section of the program provides for entry of data from either the keyboard, disc, or tape (HP-85 only). Once the data are entered, the data can be printed, displayed, stored, averaged, baseline corrected, normalized, and/or edited by using special function keys. After the data has been manipulated to satisfy the user, plotting and/or fitting of the data can be performed.

The second section of the program involves the mathematical technique of non-linear least squares to fit the data to any one of 10 equations. Although the program can fit data to simple equations such as linear, first-order polynomial, or single exponential, the non-linear technique allows data to be fit to complex equations such as second-order polynomial, hyperbola, double exponential, single exponential with baseline correction, and equations for first and second-order kinetic reactions. Customized versions of the program which incorporate user-supplied functions are available. The program prints out the best fit parameters, as well as deviations and statistics of the fitting procedure. One set of data can be fit to one or all of the functions without the necessity of reentering the data.

The final section of the program uses a complex scaling routine to produce graphs on the external plotter with even increments and in scientific notation when necessary. The user can select one of eight different symbols for the graph, including open and closed triangles, squares, or circles, along with plus and x. Once the graph has been completed, it can be labeled along the axes or at any position specified by the user. Theoretical curves, using best fit parameters, may be plotted onto the experimental data points.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

All types of training can be arranged at additional cost.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-85 (D)	BASIC	32K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7225 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP-86 (D)	BASIC	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7225 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP-87 (D)	BASIC	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7225 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

DATA EVALUATION SYSTEM

R&L SOFTWARE
 1299 Beacon Street
 Newton, MA 02168
 (617) 964-0992

Suggested Retail Price \$395
 (U.S. List)

The Data Evaluation System program is written especially for the HP-86 and HP-87 computers and a HP plotter such as the HP 7470A. The program will both plot experimental data to a variety of mathematical functions by non-linear least squares. This program has two modes of operation: a CRT graphics mode and a plotter graphics mode. The mode is selected by the user and can be changed during program execution. This allows preliminary analysis using rapid CRT graphics, then the final graph can be prepared on the external plotter simply changing to graphics mode. All graphics output of this program can be directed to either the internal CRT or an external plotter. The program can be broken down into three sections.

The first section of the program provides for entry of data from either the keyboard, or disc. Once the data are entered, the data can be printed, displayed, stored, averaged, baseline corrected, normalized, and/or edited using special function keys. After the data has been manipulated to satisfy the user, plotting and/or fitting of the data can be performed. The second section of the program involves the mathematical technique of non-linear least squares to fit the data to any one of 10 equations. Although the program can fit data to simple equations such as linear, first-order polynomial, or single exponential, the non-linear technique allows data to be fit to complex equations such as second-order polynomial, hyperbola, double exponential, single exponential with baseline correction, and equations for first and second-order kinetic reactions. Customized versions of the program which incorporate user supplied functions are available.

The program prints out the best fit parameters, as well as deviations and statistics of the fitting procedure. The final section of the program uses a complex scaling routine to produce graphs on the external plotter with even increments and in scientific notation when necessary. The user can select one of eight different symbols for the graph, including open and closed squares, triangles, or circles, along with plus and x. Once the graph has been completed, it can be labeled along the axes or at any position specified by the user.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

All types of training can be arranged at additional cost.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-85 (D)	BASIC	32K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7225 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP-86 (D)	BASIC	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7225 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP-87 (D)	BASIC	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7225 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

STATISTICAL ANALYSIS

HP STATISTICS LIBRARY

HEWLETT-PACKARD/FORT COLLINS
3404 East Harmony Road
Fort Collins, CO 80525
(303) 226-3800

Suggested Retail Price \$1500
(U.S. List)

The HP Statistics Library is an economical set of routines for data exploration, analysis, and graphics display. It contains ten discs, including General Statistics, Basic Statistics and Data Manipulation, Statistical Graphics, Regression Analysis, Monte Carlo Simulation, Analysis of Variance, and Principal Components of Factor Analysis.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC 3.0	260K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 9872 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC 4.0	260K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 9872 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

PRIME PLOTTER HP PLOTTER INTERFACE

PRIMESOFT CORPORATION

P. O. Box 30
Cabin John, MD 20817
(301) 229-4229

Suggested Retail Price \$315
(U.S. List)

The Prime Plotter is a comprehensive graphics and statistics package, suitable for business, technical, and scientific applications. The program is modular, allowing expansion and customization through add-on modules. The program is menu-driven (with default settings), and includes on-line help. A unique replay feature allows you to design an hour-long, multi-screen presentation of both text and graphics. When plotted, the graphics are ideal for reports and presentations.

Statistics and Data Management: On-line statistical modules provide more than 16 curve-fitting regressions and distributions; as well as averaging, smoothing, and conversion through user-defined functions. The program can read and write DIF files.

X-Y and Pie Charts: You can choose unlimited combinations and overlays of scatter, line area fill, bars, and multiple bars, 3D bars, hi/lo charts, error bars, and log scales. Also choose from pies in 3D perspective, pushed and exploded pieces, and an endless variety of fillings.

Labeling and Graphics: Your choices include automatic or manual labeling, placement at any screen location, eight directions, and superscripts and subscripts. More than 20 letter types and sizes are available. Character sets include upper- and lowercase, small letters, Greek alphabet, and a set of symbols. And more sets can be added. Graphics routines include free-drawing, fill, frame, copy, and share manipulation.

Extensions: Add-on plotting modules are being developed for 3D plotting, flowcharts, maps, and schematic diagrams.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

In addition to a telephone hotline service Primesoft provides the Prime User Newsletter with a question and answer column, and The Prime Plotter software package applications.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apple IIc (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple IIe (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple II plus (L)	DOS 3.3	64K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

STATISTICAL ANALYSIS

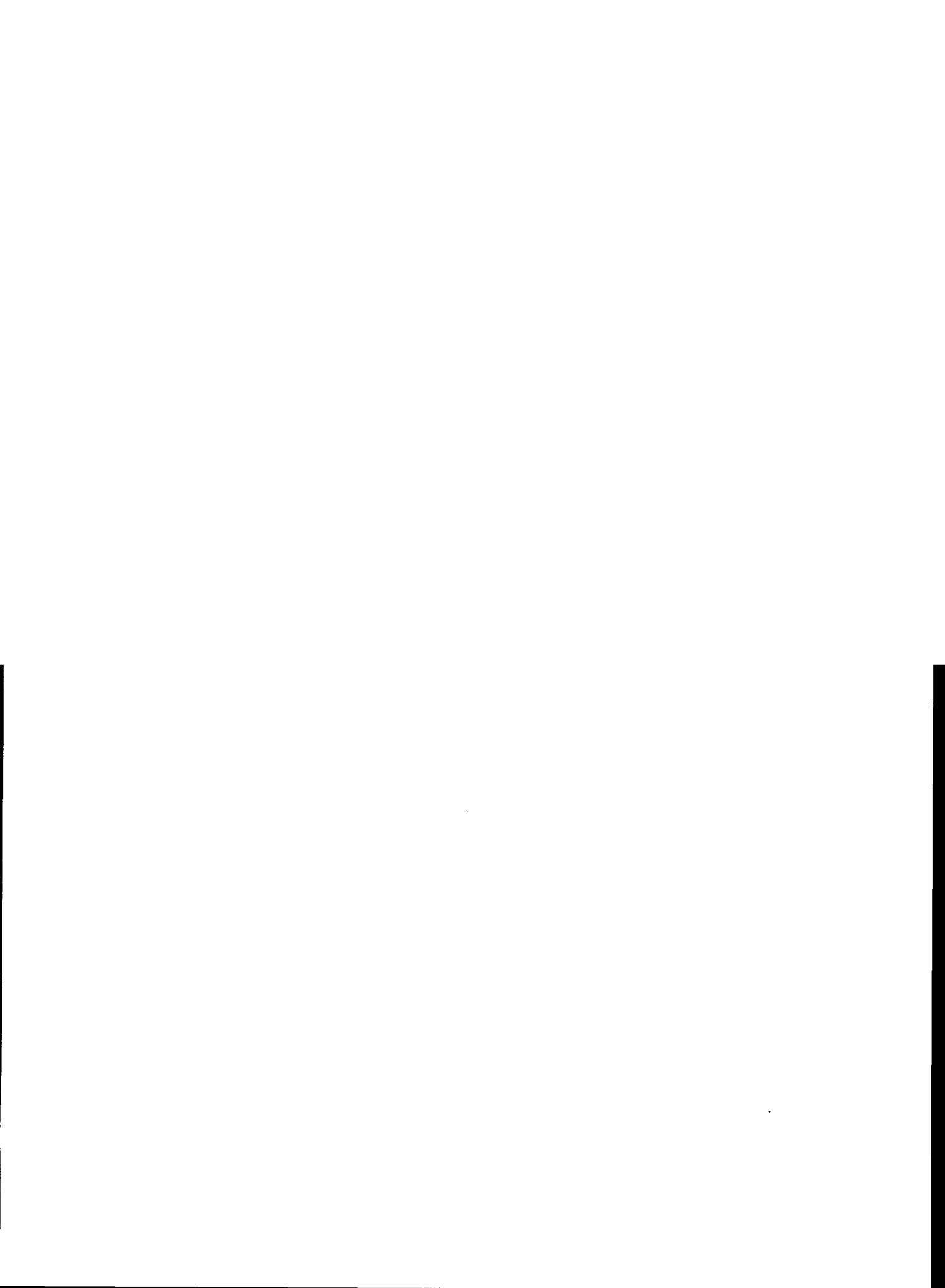
You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
ACX VM Printer Manager	ACX Software	11-3
ASYST	Macmillian Software Company	7-3
Boardroom Graphics	Analytical Software, Inc.	2-6
EMU-TEK Level 2/Level 3	FTG Data Systems	11-8
EnerConnect Program 2	Enertronics Research, Inc.	11-7
GrafTalk	Redding Group, Inc.	2-29
HPMap	Hewlett-Packard Company	5-7
MultiMap	Planning Data Systems	5-11
Plot It	Collins & Associates	10-17
Scientific Plotter-PC+	Interactive Microware, Inc.	7-4
TEKMAR Graphics Library	Advanced Systems Consultants	11-25

SCIENTIFIC ANALYSIS

**Packages that create charts tailored for
scientific applications**



ASYST

MACMILLAN SOFTWARE COMPANY
866 Third Avenue
New York, NY 10022
(212) 702-3241

Suggested Retail Price Available on Request

ASYST is a complete scientific analysis environment that interfaces to various kinds of signal sources and data files.

ASYST provides the high-level tools that let you create sophisticated custom applications with a minimum of programming. And since it integrally uses the 8087 coprocessor, ASYST execution speeds are quick.

Built-in analysis capabilities include automatic high-quality graphics, linear and non-linear curve fitting, statistics (including ANOVA), array-handling capabilities, polynomial mathematics, convolutions, data filtering, and fast Fourier transform.

Optional ASYST interfaces include analog or digital input/output with A/D or D/A conversions, an HP-IB/IEEE 488 interface, and RS-232 support. All data acquisition and control capabilities integrate fully with the analysis environment. You can reduce or view data even as you are collecting.

In addition, data contained in standard or non-standard file formats can be imported to or exported from the ASYST environment.

Special features include built-in text and array editors, and an on-line help utility. Extensive documentation is provided.

Purchase Modules 1 and 2 alone, or add either of the other two to configure the system for your applications:

Module 1: system establishes the system and includes graphics, statistics, arithmetic and RS-232 support.

Module 2: analysis reduces and manipulates data; it includes advanced graphics and statistics, curve filling, eigensystems, polynomial mathematics, matrix manipulation, data smoothing, peak detection, filtering, integration/differentiation and Fourier transform.

Module 3: Acquisition provides A/D and D/A data acquisition and control.

Module 4: HP-IB/IEEE 488 provides interface capabilities with over 10,000 compatible instruments.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

Sixty days of free technical support. Extended service available for \$200/year. This includes discounted software updates and the ASYST newsletter.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Vectra PC (D)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SCIENTIFIC PLOTTER-PC+

INTERACTIVE MICROWARE, INC.
P.O. Box 139
State College, PA 16804
(814) 238-8294

Suggested Retail Price \$120
(U.S. List)

Scientific Plotter-PC+ produces professional graphs of scientific, engineering and business data. Variability in height and width of the axes permits an infinite variety of grid sizes, including semi-log or log-log scales. Line plots, bar graphs, pie charts, or stock charts can be produced easily.

Scientific Plotter-PC+ supports the Hewlett-Packard 7470A and 7475A color plotters. Four different plotting sizes are available and different colors can be selected for different parts of a plot. Plot origins can be located anywhere on the paper. Four different axis label sizes are offered.

Data may be entered from disk or from the keyboard — or the data may be calculated by a user-defined subroutine. The data values are either X,Y pairs or Y values at a constant X interval. Data can be entered in natural units with optional data scaling or offset before plotting. Twenty different plotting symbols in four size ranges facilitate comparison of multiple data sets on the same graph. Variable-length error bars may be superimposed on the symbols to indicate each point's error range.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Interactive Microware also maintains product support via Telex Number 705250.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM PC (L)	DOS 1.1	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SCIENTIFIC PLOTTING PROGRAM

JANDEL SCIENTIFIC
 2656 Bridgeway
 Sausalito, CA 94965
 (415) 331-3022

Suggested Retail Price \$295
 (U.S. List)

Jandel's Scientific Plotting Program is specifically designed to produce publication-quality charts and graphs for scientific and engineering applications. The program is interactive and menu-driven, and may be operated from the keyboard or in combination with a digitizing tablet or other input device.

Scientific Plotting Program's features include a variety of plot types including scatterplots, line and bar charts, histograms and others; error bars including standard deviation, standard error of the mean, and 95 percent confidence; linear, log-log, and semi-log scaling; and movable, flexible labeling. The program accepts data files of nearly unlimited size. Data may be entered from the keyboard or loaded from ASCII or DIF files, including spreadsheet files.

SCIENTIFIC ANALYSIS

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SUPER PLOTTER

SOFTWARE CONSULTING GROUP
P. O. Box 3298
Santa Clara, CA 95055
(408) 446-1008

Suggested Retail Price \$95
(U.S. List)

This program is designed to produce report-quality customized plots for scientific and engineering professionals. With SUPER PLOTTER, you can plot up to nine sets of X-Y pairs of data, choose X-Y limits, axes labels, and intervals for tic labels, print legends and text of any length, and enter, edit, print, and store data from the keyboard or from a data file.

With SUPER PLOTTER, the X-array can be common to all sets, or different for each set. Eighteen types of symbols can be generated by the program; symbols can be easily assigned to different sets of data. SUPER PLOTTER is user-friendly and menu-driven.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-85, 86, 87	(L)	BASIC	32K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP Touchscreen PC	(L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
ACX VM Printer Manager	ACX Software	11-3
Boardroom Graphics	Analytical Software, Inc.	2-6
Control Charts	Software Consulting Group	6-3
Data Evaluation Program	R & L Software	6-4
Data Evaluation Software	R & L Software	6-5
EMU-TEK Level 2/Level 3	FTG Data Systems	11-8
EnerConnect Program 2	Enertronics Research, Inc.	11-7
GEOPLOT	Geological Systems, Inc.	5-6
GrafTalk	Redding Group, Inc.	2-29
Plot It	Collins & Associates	10-17
Prime Plotter	Primesoft Corporation	6-7
TEKMAR Graphics Library	Advanced Systems Consultants	11-25



ARCHITECTURAL DESIGN

**Packages for architectural applications
such as drawing floor plans and creating
building layouts**



AE/CADD

AUTODESK, INC.
 2320 Marinship Way
 Sausalito, CA 94965
 (415) 332-2344

Suggested Retail Price \$1000
 (U.S. List)

The AE/CADD Template-Driven System is designed for simplicity, ease, and economics. With AE/CADD, you can quickly create a complete set of drawings by visually selecting objects or commands from the Master Template Menu.

This innovative and timesaving feature reduces complex CAD instructions to simple menu picks, allowing more time for the many details that good design demands. The combination of AE/CADD and AutoCAD is an unprecedented first for cost-conscious design professionals who draw the line at quality.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Local support available through dealers. In addition, three newsletters are available — two for end users and one for dealers.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Authorized training centers across the U.S.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
Compaq	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
IBM AT	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
IBM PC/XT	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
NCR DecisionMate V	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
NEC APC III	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
Tandy 1000/1200/2000	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
TI Pro	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
Wang PC	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B
Zenith Z-150	(L) MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7586B

ARCHITECTURAL DESIGN

"SUPER" MICROCAD

IMAGIMEDIA TECHNOLOGIES, INC.
 P.O. Box 210308
 San Francisco, CA 94121-0308
 (415) 387-0263

Suggested Retail Price \$1500
 (U.S. List)

This newly released version of MicroCAD introduces the powerful method of working directly in perspective space. Using "super" MicroCAD you see all views at once — top, bottom, sides — and can work on any of them. Three distinct grids (x, y and z axes) facilitate perspective work.

MicroCAD is a universal cube of space. Within this space you position a pointer and use it to draw 3D objects. Then rotate these objects around the pointer in any direction or use the pointer as an observer in creating perspective views. Choose to plot a finished view or edit it, take it apart, stretch or transform it. The object is totally under your control. MicroCAD creates true optical perspectives using a synthetic camera. You may move around the object, through it, inside it. New perspectives are generated at the push of a button.

Use the model you create for many purposes. Perform structural analysis or material takeoffs for use in the automated design office. Using MicroCAD's enhanced drafting features, you can convert your model into a set of working drawings by taking full advantage of the 999 layers, complex rotatable crosshatching and automatic dimensioning. MicroCAD automatically calculates area, moment of inertia and center of gravity.

Because of the nature of MicroCAD's random file structure it is possible to edit any part of the database instantly. Create custom functions without learning a programming language by use of "follow-me" macros. Execute an entire group of functions with a single keystroke.

Full color and high resolution are supported through the VDI (CGI) standard, making the system completely compatible with the IBM Enhanced Graphics Adapter, Professional Display and Adapter, and all other peripherals which have VDI drivers available. An IGES utility is included which can be used to transport "super" MicroCAD pictures to and from any microcomputer or mainframe system.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Free technical and mail support. On-site consulting in the Bay Area \$60/hour; outside the Bay Area \$500/day plus travel.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

On-site training in San Francisco. Dealer/demo site training in New York, Southern California, Portland, and Seattle.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Deskpro	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR DecisionMate V	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
ACX VM Printer Manager	ACX Software	11-3
Advanced Graphics Software	Auto-Trol Technology Corporation	9-5
Anvil-1000MD	Manufacturing & Consulting Services	9-6
AutoCAD	Autodesk, Inc.	9-8
CADD/200-300	Tensegrity, Inc.	9-9
CADKEY	Micro Control Systems, Inc.	9-10
Cascade I	Cascade Graphics	9-12
Cascade VII	Cascade Graphics	9-13
Cascade X	Cascade Graphics	9-14
Design Board 3D	MEGA CADD, Inc.	9-17
Design Board Professional	MEGA CADD, Inc.	9-18
Drafix II	Foresight Resources Corporation	9-20
EMU-TEK Level 2/Level 3	FTG Data Systems	11-8
GEOPLOT	Geological Systems, Inc.	5-6
IN*A*VISION	Micrografx, Inc.	9-31
Palette	Palette Systems, Inc.	9-37
Robo CAD-PC	Robo Systems Corporation	9-40
Template	Megatek	11-26
VersaCAD	T & W Systems, Inc.	9-43



CAD/CAM/CAE

**Packages for computer-aided design,
manufacturing, and engineering
applications that help with parts design,
schematics, or modeling with 2D and 3D
graphics**



3-D GRAPHIXX

UNIVERSAL INTEGRAPHIX CORPORATION
 2990 East G Street — Suite 108
 Ontario, CA 91764
 (714) 989-3992

Suggested Retail Price \$2995-\$3995
 (U.S. List)

A full function 3D CADD system, 3-D GRAPHIXX was designed to offer uncompromised performance affordably. Features include easy-to-use 3D engineering modeling, surfacing, vector manipulation, text/symbol entry, auto-dimensioning, animation, layers (draw and working, 256 to choose from), powerful 2D and 3D editing, isometric views, user-defined perspectives, CUBIC (the first pure user-defined interactive graphics language — MACRO), multi-drawing accounts, and I/O device independence.

3-D GRAPHIXX is menu operated, either by screen or digitizer; it supports 12 in. to 19 in. monitors, 16 interactive colors, and plotter output from A- to E-size.

3-D GRAPHIXX is fast and accurate. Users can learn 3-D GRAPHIXX in about one day. And the redraw and large file management are designed to be fast!

3-D GRAPHIXX is flexible! There are 11 modes of data entry, plus a variety of user-defined modes associated with CUBIC. A variety of GRAPHIXX "helps" make designing and drafting productive and creative.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

DOS 2.X and DOS 3.X systems are available. National and international distribution.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Regional locations; also on-site training as required.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	PC-DOS 2.1	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Deskpro (L)	DOS 2.11, 3.1	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Portable (L)	DOS 2.11, 3.1	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT Model 99 (L)	PC-DOS 3.X	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS 2.X	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
ITT Xtra (L)	DOS 2.1	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR PC 4 (L)	DOS 2.11	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Sperry PC (L)	DOS 2.11	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith Model 151 (L)	DOS 2.1	640K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CAD/CAM/CAE

AC/DIAD

AMERICAN CHANNELS, INC.
1050 Waltham Street
Lexington, MA 02173
(617) 862-4441

Suggested Retail Price Available on Request

AC/DIAD is a powerful, sophisticated, comprehensive 2D mechanical drafting and design system that runs on Apollo DOMAIN and Digital Equipment Corporation's VAX and MicroVAX computers. Speed, accuracy, and integration combined make AC/DIAD an important productivity tool; the cost and the ease of use make it an affordable and learnable one.

Unlike other 2D systems, AC/DIAD meets the needs of all users — from the experienced to the casual — by a unique menu system superimposed upon a command structure, combining the best features of both a menu-driven product and a command-driven one. AC/DIAD has 28 menus which contain all options necessary for a given function, organized in a hierarchical structure that leads the user through the function step-by-step. The beginning or casual user selects commands from these menus simply by pressing a button on a mouse. The trained and experienced user may type the command (or even its abbreviation) in the correct syntax to access the full capabilities of each function. Eventually, a user's personal style evolves from combining typed commands and mouse-selected menu commands.

Output from AC/DIAD can be used with AC/SOLIDS, a new generation solids modeller and a major option of AC/DIAD. It offers facilities for designing in 3D, technical manual illustration, design analysis, space management, and mechanism checking.

AC/DIAD also has parts numbering, editing, templates, and a Text Macro Programming (TMP) capability. A user can create a series of commands for a macro, then call up the whole macro from a single command or, simpler yet, from an icon on a menu.

The result is productivity that begins in the drafting room and ends on the shop floor.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apollo (L)	Domain	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC VAX (L)	VMS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

ADVANCED GRAPHICS SOFTWARE

AUTO-TROL TECHNOLOGY CORPORATION
 12500 North Washington Street — P.O. Box 33815
 Denver, CO 80233
 (303) 452-4919

Suggested Retail Price Available on Request

Series 5000 Advanced Graphics Software covers the spectrum of needs for the architectural, engineering and construction, and electronic technical publication industry. Series 5000 is a command-driven system that includes a comprehensive set of functions for manipulation of graphic data for input, creation, editing, hardcopy and archiving purposes. Key features which support these functions include the macro command feature, the external interface facility, a true 3D vector database, and the associate grouping facility. A highly structured graphics database is utilized, featuring fast access mechanisms, strong relational facilities, and ease of information retrieval. The basic software supports optional packages designed to benefit particular design/drafting applications.

Series 7000 Advanced Graphics Software is ideally suited for the mechanical design and manufacturing industries. Series 7000 is a menu-driven system which provides the user with full 3D geometric modeling capabilities, utilizing wire frame and surface geometry. The menu characteristics of the software greatly simplify the learning process, and allow the user to visualize and manipulate the parts during their creation. Series 7000 also provides a means for detailed engineering analysis, an interface between design, documentation and manufacturing, and an interface to third party or user-defined software.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Full training, technical, and maintenance support is available for Auto-trol customers.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is provided on Auto-trol's complete line of hardware, operating systems, and CAD/CAM applications.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AGW	(L) Aegis	1MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC MicroVAX	(L) VMS	4MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC VAX 75X, 78X, 785	(L) VMS	4MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L) MS™-DOS	640K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L) UNIX™	640K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

CAD/CAM/CAE

ANVIL-1000MD

MANUFACTURING & CONSULTING SERVICES, INC.
 9500 Toleda Way
 Irvine, CA 92718
 (714) 951-8858

Suggested Retail Price \$2995
 (U.S. List)

ANVIL-1000MD is a high-performance, professional CADD system which combines the maturity and complete capabilities of a mainframe CADD system on a personal computer. Modeled after MCS's mainframe design/drafting software, ANVIL-1000MD features all the design capabilities required to produce high-quality, fully annotated engineering drawings.

ANVIL-1000MD is a 32-color system that provides users with an interactive menu-driven database for extensive on-screen tutorials. Important drafting features include notes, labels, complete automatic dimensioning, cross-hatching, geometric tolerances, surface finish symbols, edit, modification, and more. The system is extremely fast — large drawings of up to 20,000 entities are handled with good responsiveness. Users can set up fonts, weights, and levels. Simple and isometric views can be automatically constructed. ANVIL-1000MD features a full range of construction algorithms for data manipulation of points, lines, arcs, ellipses, free-form curves (splines), fillets, chamfers, and off-set curves. Data base interrogation includes full section analysis with perimeter area center of gravity, etc. The ANVIL software provides extensive manipulation and merge capabilities, including zoom, rotate, translate and mirroring — with or without scaling and duplication. Subassemblies can be stored and quickly called for easy placement in any drawing. Drawings can be merged at any scale, location, and rotation.

An add-on product, now available, is the ANVIL-1000MD TRANSLATOR which compliments the ANVIL-1000MD CADD system by enabling a two-way database transfer between ANVIL-1000MD and the ANVIL-3000D and ANVIL-4000 systems.

A second add-on, is the ANVIL-1000MD IGES TRANSLATOR. This is a comprehensive IGES 3.0 translator that enables database exchange with other CADD systems.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Technical support is available to end-users via a toll-free 800 hot line number or through a local dealer. Additionally, MCS provides a newsletter regarding product updates.

VENDOR TRAINING INFORMATION

- Seminar
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Product training is provided to dealers through MCS training seminars. Additionally, local dealers offer in-house as well as on-site training services.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Compaq Deskpro Model 4 (L)	MS™-DOS 2.1	640K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM AT	(L) PC-DOS 3.0	640K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM PC/XT	(L) PC-DOS 2.1	640K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B

ANVIL-4000

MANUFACTURING & CONSULTING SERVICES, INC.

9500 Toledo Way
Irvine, CA 92718
(714) 951-8858

Suggested Retail Price \$28,000-\$190,000
(U.S. List)

ANVIL-4000 is an integrated CAD/CAM software system, providing a modular approach to a company's engineering needs. For computer-aided design requirements, ANVIL-4000 provides drafting, design and analysis functionality. Beyond the "drawing board," ANVIL-4000 enables completion of the process with its computer-aided manufacturing functionality. This building block approach enables expansion based on organizational needs and available resources.

ANVIL-4000 is available in two modules: Design/Drafting and Full System. The basic foundation of ANVIL-4000 consists of a user controlled environment, basic geometry, viewing and manipulation, a family of parts, file management, production planning, and drafting. 3D Design is a natural extension to the above modules and provides a designer with extended surface geometry and analysis components.

The Full System package includes all of the components already mentioned, plus MCS's powerful 2½-, 3- and 5-axis machining. Lathe, profile, pocket and all tool path generation capabilities of the 2½D NC combo function are provided. The 3-axis NC combo package is a sub-set of these highly sophisticated tool path generators.

ANVIL-4000 has been written to permit the addition of applications packages: Piping and Nest/Fab/Pathing are currently available and others are planned. An Interface Kit is also available for integration of other data and applications to the ANVIL-4000 system.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

A maintenance agreement is available to provide on-going updates. This also includes membership in the MCS software users group — our design partner.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

MCS presents several training classes to end users, which includes user training and systems level training — specially designed courses for specific needs.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 9000 (D)	UNIX™	2.5MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC VAX 11/7XX (L)	VMS	2MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DG MV4000-10000 (L)	VM	2MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM 4300, 308X (L)	VM	3MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
MicroVAX II (L)	VMS	2MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

CAD/CAM/CAE

AUTOCAD

AUTODESK, INC.
 2320 Marinship Way
 Sausalito, CA 94965
 (415) 332-2344

Suggested Retail Price \$1000-\$2500
 (U.S. List)

AutoCAD is a full-featured computer-aided design program which runs on over 30 microcomputers, bringing mainframe CAD capabilities to low cost, desktop workstations. AutoCAD is a multi-purpose system which can be easily customized for any drawing application. Architectural and landscape drawings, drafting for mechanical, electrical, chemical, structural and civil engineering, and virtually any other type of design and drafting work can be accomplished with AutoCAD and your personal computer.

AutoCAD lets you draw an object, rotate and scale it, dynamically drag it on the screen to any position, save it to a parts library for use in other drawings, fill an area, automatically dimension with ANSI standard dimensioning, and attach attributes which can be extracted to a database. You can use an unlimited number of layers, and create your own menus and macro command strings. AutoCAD's editing facilities now include polylines, curve fitting, and interactive object selection with highlighting. With Advanced drafting Extensions 3, AutoCAD enables you to create a 3D visualization of your drawing, in either wire frame or hidden line rendering. CAD/Camera combined with AutoCAD allows you to take a picture of a drawing and automatically turns it into a CAD database.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Local support is always available through dealers. In addition, three newsletters are available — two for end users and one for dealers.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Authorized training centers across the U.S.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen MAX PC (D)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 3270 PC (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NEC APC III (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 2000 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
TI Pro (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Victor 9000 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Wang PC/PIC (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith Z-100 (L)	Z-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CADD/200-300

ENSEGRITY, INC.
424 West Addison Street
Chicago, IL 60618
(312) 935-9714

Suggested Retail Price \$4000
(U.S. List)

CADD/200-300 is a high-performance design and drafting system useful in almost every kind of design/drafting application including electrical, mechanical, chemical, structural, architectural, civil, landscape, etc. CADD/200-300 starts with HP Pascal, Hewlett-Packard's fastest Series 200-300 language and couples that with a special data structure which retains high speed as the design becomes large. For example, CADD/200-300 will zoom a small area of a 5000-line design in less than one second! And that's running on an HP 216 without a floating point math card.

CADD/200-300 also provides real number numeric precision on all coordinate data and an easy-to-access data file structure. This makes CADD/200-300 a perfect mate for CAM systems.

Users can work on any of 12 standard paper sizes (A-E) and any of nine unit types (inches, feet, millimeters, etc.) as well as any scalefactor (1/4 in. = 1 ft. etc.). Advanced features are provided in the areas of plotting, primitives, grids, user origins, snap modes, jump modes, zooms, pans, groups, user library parts, editing, measurements, and files.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	Pascal	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	Pascal	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

CADKEY

MICRO CONTROL SYSTEMS, INC.
 27 Hartford Turnpike
 Vernon, CT 06066
 (203) 647-0220

Suggested Retail Price \$1895
 (U.S. List)

CADKEY is the first completely integrated 3D design and drafting system for the IBM PC. With true 3D capabilities fully integrated with its own 2D drafting capabilities, CADKEY incorporates several features.

CADKEY creates all views automatically. Change a part once, and all views are automatically updated. It has a unique human interface, schema-based, which is fast and efficient for both the novice and full time user. The novice can use the cursor, prompt line and history line for guidance, and the full time user can utilize the keyboard to bypass the prompts. Both ways can be used interchangeably.

All prompts and commands can be user modified with virtually any PC word processor, and can be converted to foreign languages if desired. CADKEY provides immediate mode commands: commonly used commands that can be accessed from within any other system command. All construction options are available in every command. It offers 2D and 3D IGES compatibility and bi-directional transfer of 3D data.

Plot files can be created, written on a floppy disk, and then used to plot offline on a minimally configured (128K) PC independently of the dedicated workstation, at maximum speed. No reformatting is required and plot files can be edited without going back to the dedicated workstation.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	PC-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
PC Compatibles (L)	PC-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

CAD MASTER 2000

ORACAL GRAPHIC SYSTEMS, INC.

101 General Drive
 Plymouth, MI 48170
 (313) 451-7025

Suggested Retail Price \$2495
 (U.S. List)

CAD MASTER 2000 is a high-power, high-productivity, 2D design system that can be used as a standalone or networked workstation. CAD MASTER 2000 is both menu- and keyboard-driven, making it easy to use for both beginners and experts. Among CAD MASTER's features are automatic architectural and mechanical dimensioning, automatic line widening, automatic fillet and chamfer, and text insertions that allow text files to be merged with drawings. CAD MASTER's IGES file translator allows drawings to be transferred between CAD MASTER and other systems supporting IGES. A windowing feature allows the user to run other programs while inside CAD MASTER.

CAD MASTER 2000 can be used as both a single or dual monitor system. Users can choose from a large variety of graphic display boards, including the Tecmar Graphic Master, Hercules color, IBM Color, Enhanced, and Professional graphics adapter, and Number Nine Computer's 1024 x 1024 Revolution board. Output from CAD MASTER can be sent to a variety of Hewlett-Packard plotters.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS 2.1	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq 286 (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq 8088 Series (L)	MS™-DOS 2.1	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC-XT (L)	MS™-DOS	320K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CAD/CAM/CAE

CASCADE I

CASCADE GRAPHICS
1000 South Grand Avenue
Santa Ana, CA 92705
(714) 558-3316

Suggested Retail Price \$1500-\$2000
(U.S. List)

The perfect entry-level drafting software, the Cascade I now runs on the IBM personal computers, as well as the Apple II plus and IIe. The drafter can call on such functions as curves, flowlines, automatic dimensioning, and many other helpful menu options to aid in his drawing production. Competitively priced, the Cascade I CAD software package is a major contender in the over-saturated software market. Although most users may want to expand in the future to a more comprehensive system, Cascade I is a perfect entry level system, plus it allows users to expand with the Cascade VII or Cascade X at a later date. All drawings are upgradeable.

VENDOR SUPPORT INFORMATION

Information Not Available

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM PC/XT (L)	NCI Pascal	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CASCADE VII

CASCADE GRAPHICS
1000 South Grand Avenue
Santa Ana, CA 92705
(714) 558-3316

Suggested Retail Price \$18,000
(U.S. List)

A more compact version of the Cascade X, the Cascade VII, with a smaller, medium-resolution graphics screen, runs on the same high-performance Speedware for maximized 2D drafting. The affordable Cascade VII, which includes eight standard colors on the drawing monitor, offers a superlative level of two dimensional software to draftsmen, architects, and designers who wish to increase productive work output.

The Cascade VII addresses the architectural, mechanical, electrical, and piping disciplines. The same comprehensive software as offered on the Cascade X delivers high-quality drawings still easy to edit and fast to produce.

The system can be included in Speedlink, the local area network, designed specifically by Cascade for draftsmen and engineers with various needs and file procedures.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Hotline support available with purchase of a software and/or hardware support agreement through Cascade. Twenty-four hour response on replacement parts.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Three-day training class available with the purchase of Cascade X or VII. Most training given at headquarters; however, Cascade will negotiate contracted or on-site training.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Cascade (68000 Based) (L)	UCSD Pascal	.5MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

CAD/CAM/CAE

CASCADE X

CASCADE GRAPHICS
1000 South Grand Avenue
Santa Ana, CA 92705
(714) 558-3316

Suggested Retail Price \$28,000
(U.S. List)

The Cascade X is a turnkey, high-resolution CAD system. The alphanumeric command monitor, combined with the 19-inch graphics display monitor, aid the designer in achieving high-quality 2D drawings. Speedware, our proprietary software, has been engineered to deliver outstanding response time to users. In fact, because Cascade's software engineers have developed Speedware to run on a dedicated graphics processor, they have achieved an impressive operating speed of 12.5 mhz, currently a very fast running rate for the microbased CAD market.

The 2D system addresses applications for the architectural, mechanical, electrical, and piping industries. Comprehensive software promotes high-quality drawings that are easy to edit and increase productivity.

The system can increase drawing storage, plus a brilliant color monitor is available. The Cascade X is easily networked to the other Cascade product offerings through Speedlink, Cascades own local area network, designed specifically with the engineer and draftsman in mind.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Hotline support available with purchase of a software and/or hardware support agreement through Cascade. Twenty-four hour response on replacement parts.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Three-day training class available with the purchase of Cascade X or VII. Most training given at headquarters; however, Cascade will negotiate contracted or on-site training.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Cascade (68000 Based) (L)	UCSD Pascal	1MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

CEADS-CAD 2000

HOLGUIN CORPORATION
822 Cromo Drive — P.O. Box 12990
El Paso, TX 79912
(915) 581-1171

Suggested Retail Price Available on Request

CEADS-CAD 2000 is a computer-aided design and drafting solution capable of 2D drafting with the power of producing 3D views of any drawing. CEADS-CAD 2000 is based on user-friendly, menu-selected commands. Previous programming experience is not required. It may be interfaced to other software for system customization. It is supported as either a turnkey system requiring no technical knowledge from the user, or as a multiple purpose system performing other tasks in addition to CEADS-CAD 2000. With the CEADS-CAD 2000 solution, increases in productivity are made from the very beginning. Powerful features that reflect the true day-to-day operations of a CAD/CAM system, and that allow the user a high degree of flexibility and creativity produce cost-effective time productivity increases. The majority of installations achieve 2:1 or 3:1 productivity levels within a few weeks of installation, and continue to maintain the highest levels of skill, efficiency, accuracy, and quality as designers and drafters gain further proficiency in the system.

CEADS-CAD 2000 is a powerful turnkey CAD/CAM solution that will quickly and easily automate all your design and drafting operations without the need for computer specialists, and at an affordable price. CEADS-CAD 2000 is an industry leader, setting the standards in cost-effective performance, return on investment, implementation and training, increased productivity, and service and support.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Standard support available for users with system managers.
Extended support available for turnkey systems where Holguin functions as systems manager.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Management and Operators Training courses available on-site or at the El Paso training center. A computerized training option is available as part of the software.

PRODUCT INFORMATION

Computer Model(s)

HP 1000 A/F Series (D)

Operating System(s)

N/S

Memory Required

8MB

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B

CAD/CAM/CAE

CEADS-MACRO

HOLGUIN CORPORATION
5822 Cromo Drive — P.O. Box 12990
El Paso, TX 79912
(915) 581-1171

Suggested Retail Price Available on Request

CEADS-MACRO is a self-contained software product, complementary to the HOLGUIN CEADS-CAD 2000 system. CEADS-MACRO stores a set of computer drawing commands in a designated memory file for repeated execution. The operator then simply answers questions concerning the parametric values in a design, and a drawing is produced automatically. The unique programming features allow the user to utilize their existing skills to produce a series of designs and/or repetitive drawings without creating an entire drawing for each. The key to CEADS-MACRO design system is the ability to construct a base model with a series of variable dimensions or parameters. Then, after the initial model is completed, the variables can be altered to produce countless derivatives and/or alternatives of each base model.

CEADS-MACRO features variable assignments for attributes in a drawing; logical control of program execution with "IF" statements; user prompt commands to input answers at run time; computational capabilities within the Macro to calculate intermediate values or quantities; comment lines to internally document a macro sequence; and the ability to assemble the sequence using a series of commands chosen from an on-screen menu, and then answering screen prompts to supply needed information for completion of the macro.

The powerful macro capabilities of the system will greatly increase your design/drafting productivity. Families of parts and drawing details with similar geometry can quickly and easily be generated and duplicated. There is no need to redraw a design just because it has different dimensions. The CEADS-MACRO System allows the user to evaluate various design options quickly and easily just by inserting alternate parameters.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Standard support available for users with system managers. Extended support available for turnkey systems where Holguin functions as systems manager.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Management and Operators Training courses available on-site or at the El Paso training center. A computerized training option is available as part of the software.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 1000 A/F Series (D)	N/S	8MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

DESIGN BOARD 3D

MEGA CADD, INC.
 401 Second Avenue South — Fifth Floor
 Seattle, WA 98104
 (206) 623-6245

Suggested Retail Price \$750
 (U.S. List)

Design Board 3D is an entry-level design tool for PC-CADD and offers a true 3D database. This easy-to-learn and easy-to-use package addresses 3D conceptual design and modeling for educational and introductory purposes and for simplified modeling applications. It offers on-screen menus and prompts; full 360° rotations; pan and zoom; the ability to generate perspective, isometric, and orthographic views; and automatic hidden line removal. It can also be linked to popular 2D drafting products including AutoCAD, VersaCad, and CadPlan.



VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

A toll-free phone number is provided for all registered users for unlimited support.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

User manual includes example tutorials for learning. Numerous 3D model files are included with the product.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq 286 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Leading Edge (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
PC Compatibles (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CAD/CAM/CAE

DESIGN BOARD PROFESSIONAL

MEGA CADD, INC.
 401 Second Avenue South — Fifth Floor
 Seattle, WA 98104
 (206) 623-6245

Suggested Retail Price \$1750
 (U.S. List)

Design Board Professional for PC-CADD addresses conceptual design and modeling and offers a true 3D database. The Professional is a powerful, easy-to-use design tool featuring full 360° rotations; the ability to generate one, two, and three-point perspectives, isometrics, and orthographic views; component libraries; automatic hidden-line removal; free-form curved surfaces; scaled drawings; precision to .001 in. accuracy; and automated production of both 2D and 3D drawings.

Optimized as a design and drawing tool, the Professional can be used as a standalone package or in conjunction with popular 2D drafting packages including AutoCad, VersaCad and CadPlan. The Professional offers additional features which help speed and improve design and communication including full pan and zoom; on-screen menus for easy learning; and up to four simultaneous views on screen. Interactive editing and revisions allow changes in one view to be automatically updated in all other affected views.

There is an optional product, Design Board Illustrator, that allows for enhancements to the Professional in the form of annotation, paint/rendering, animation and slide show presentations.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

A toll-free phone number is provided for all registered users for unlimited support.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

User manual includes example tutorials for learning. Numerous 3D model files are included with the product.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq 286 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Leading Edge (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
PC Compatibles (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

D-PLOTHP

FUTURENET CORPORATION
9310 Topanga Canyon Boulevard
Chatsworth, CA 91311
(818) 700-8691

Suggested Retail Price \$600
(U.S. List)

D-PLOTHP is low-cost pen plotter software which allows you to automatically plot your dash schematics and designer schematics on bond, vellum, or polyester film using Hewlett-Packard plotters.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

DRAFIX II

FORESIGHT RESOURCES CORPORATION
 923 Massachusetts Street
 Lawrence, KS 66044
 (913) 841-1121

Suggested Retail Price \$1250
 (U.S. List)

Drafix II is a 2D drafting and design system for low cost microcomputers that provides easy-to-use high-performance drafting capabilities for small and large drawing offices.

Drafix II is exceptionally easy to learn and use. On-screen pop-up menus with mouse driven option selections and simple prompt messages keep you completely informed of all drawing operations. Drafix II is fully suitable for production drawing in a wide variety of applications including architectural, landscape, industrial design drawing, and drafting for mechanical, electrical, chemical, structural, and civil engineers.

Drafix II provides full-featured capabilities. Drawings of any size and scale can be created using previously created drawings, symbols libraries, and basic items such as lines, arcs, circles, and text. Features include multiple named layers, symbol creation/insertion, line widths and line styles, fillets, rounds, bevels, double lines, masking and grouping of items, copy and move operations with mirroring, rotation, scaling, extensive editing of geometry, and calculations of locations, item information, length, and areas. Flexible numeric input can use full English or metric units. Full annotation, dimensioning, and cross-hatching capabilities are used. Drafix ANSI exchange files and off-line plotting are also provided for database interface and bill of materials generation.

Drafix II is available on a full range of MS™-DOS microcomputers, graphic display cards, locators (mice and digitizers), and supports HP plotters.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Local support available through dealers and end user newsletter. Dealer support includes dealer newsletter.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Tutorial and videotape available.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Compaq 286 (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Leading Edge (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
NCR PC 6 (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
NCR PC 8 (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Sperry PC (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Zenith 200 (L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B

ENERGRAPHICS

ENERTRONICS RESEARCH, INC.
 150 North Meramec — Suite 207
 St. Louis, MO 63105
 (314) 725-5566

Suggested Retail Price \$450
 (U.S. List)

EnerGraphics is an integrated program with complete graphics capabilities. Graphics needs will be met for business, marketing and sales, scientific applications, and designers in all fields. Business applications for EnerGraphics include pie charts, bar charts, line charts, linear and logarithmic scaling, statistical analysis, and slide presentations. In addition, EnerGraphics can produce 2D organizational charts, flow charts, floor plan layouts, electrical schematics, and logos. For 3D applications, EnerGraphics can produce surface drawings and object drawings, as well as remove hidden lines.

A most outstanding and powerful portion of EnerGraphics is the 2D drawing program. The user has the ability to generate drawings using text, symbols, and text mixed with drawing using the cursor keys. Drawings can be edited by reducing, enlarging (zoom to a level 1000 times), and rotating. Another unique feature of EnerGraphics is the capability to reposition portions, to entire complex drawings, by duplicating or redrawing them with a simple keystroke.

EnerGraphics also interfaces easily with 1-2-3™ from Lotus, VisiCalc®, and MultiPlan®, creating another dimension to those spreadsheet programs.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Customers can phone 800-325-0174 for technical support and more information.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Columbia (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Corona (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Eagle w/EPROM (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC (L)	PC-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
NCR PC IV (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy 1200 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
TI Pro (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Zenith Z-150 (L)	Z-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CAD/CAM/CAE

EUCLID

MATRA DATAVISION, INC.
30 Commerce Way
Woburn, MA 01801
(617) 938-1230

Suggested Retail Price \$60,000
(U.S. List)

Matra Datavision is the designer/developer of Euclid, an interactive complete integrated CAD/CAM system which is based on a 3D solid modeling techniques. Introduced in 1979, Euclid is a highly accepted CAD/CAM system worldwide, with over 1200 workstations installed in mechanical and A.E.C. companies.

Euclid offers many benefits to the designer/draftsman: an extremely high level of interactivity; completely integrated single database capable of handling 2D lines and curves, 3D sculptured surfaces, solid models, symbols, and physical properties or documentation; quick response in hidden line removal, and the benefit of totally comprehensive drawings; tools that allow the user to create additional parts with respect to all other parts already designed; and the capability to allow the user to introduce his own experience and know-how into the system through the command language.

Euclid offers many specialized applications packages such as numerical control, kinematics, sheet metal bending, building design, map facilities, IGES interface, FEM interface, electronic packaging interface, and several others.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

Hotline (800 number) available to customers for technical support.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DEC VAX (L)	VMS	1MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM 43XX, 30XX (L)	VM/CMS	2MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

EXCELERATOR

INDEX TECHNOLOGY CORPORATION

5 Cambridge Center
Cambridge, MA 02142
(617) 497-4473

Suggested Retail Price \$8400
(U.S. List)

Excelerator is a fully integrated PC-based workbench for systems analysis, design, and documentation. Systems analysts work more efficiently and accurately with Excelerator because they can create and modify complete system specifications in one easy-to-use environment. Excelerator brings flexibility to the design process — resulting in specifications that are more responsive to changing systems requirements.

Excelerator offers all the tools needed to design and document information systems, with a user interface that includes a mouse pointing device and an intuitive, clearly presented menu structure. The package features mouse-driven graphics, screen and report mockups, graphic analysis reports, project data sharing, document production, a link to word processing, and a date dictionary that integrates all of these functions.

Excelerator's graphics facility lets systems analysts apply the most widely used structured analysis methodologies and diagramming techniques, data flow diagrams (Gane and Sarson as well as Yourdon), structure diagrams, structure charts, entity relationship data model diagrams, and logical data model diagrams. InTech clients have also used Excelerator in conjunction with a number of other structured methodologies, including STRADIS, SDM/Structured, and T&IP. To facilitate a top-down design approach, objects and flows in one diagram can be logically linked or "exploded" to another diagram at the next level of detail. Up to 10 levels of explosion can be defined.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

Free 90-day maintenance and Hotline support. Thereafter, software updates, maintenance and Hotline available for 12 percent of software price per year.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM 3270 PC (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC-3270 (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CAD/CAM/CAE

GRAPHICS/1000-II

HEWLETT-PACKARD COMPANY
19447 Pruneridge Avenue
Cupertino, CA 95014
(408) 725-8111

Suggested Retail Price \$2400-\$6200
(U.S. List)

HP Graphics/1000-II is a graphics package for use on HP 1000 computer systems. It is composed of Graphics/1000-II DGL (Device-independent Graphics Library) and Graphics/1000-II AGP (Advanced Graphics Package).

HP Graphics/1000-II DGL is the basic building block for Graphics/1000-II applications. By itself, DGL will be most valuable for well-defined 2D display applications, such as continuous process control monitors, and standardized graphs from dedicated testing applications. DGL provides a device-independent interface which is designed to support Graphics/1000-II AGP and to facilitate implementation of other user's graphics applications.

Graphics/1000-II is an interactive 3D graphics package. Graphics/1000-II AGP allows for 2D and 3D viewing transformations, perspective and parallel projections, full clipping capability, picture segmentation for fast interactive manipulation of graphics images, and pick input to facilitate operator interaction with picture segments to be displayed or discharged.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 1000 (D)	RTE-IV	56K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

GRAPHICS/9000

HEWLETT-PACKARD/FORT COLLINS
3404 East Harmony Road
Fort Collins, CO 80525
(303) 226-3800

Suggested Retail Price \$1000-\$4000
(U.S. List)

Graphics/9000 is a device-independent graphics software tool for HP 9000 computers using the HP-UX operating system. Graphics/9000 consists of two packages — Graphics/9000 DGL, a device-independent graphics library and Graphics/9000/AGP, an advanced graphics package.

Graphics/9000 DGL consists of a set of procedures called from an application program. It provides powerful, yet fundamental graphics functions and device support suitable for both data display and design graphics. It provides device-independent graphics input and output for simplified development of graphics applications; graphics workstation capability with a flexible operator environment without additional programming; color modeling capabilities using either RGB or HSL models; efficient design for fast execution; and input functions, including button, locator, valuator, and keyboard.

Graphics/9000 AGP builds on top of Graphics/9000 DGL, providing functionality similar to DGL plus advanced capabilities providing easier application development and interactive graphics functions. Run-time device independence allows concurrent operation of multiple graphics workstations, without reprogramming or relinking the application program. You can add graphics text in six different fonts — script, Eurostyle, Roman simplex, Roman triplex, Gothic, and Greek letter symbols and view 2D and 3D transformations with perspective or parallel projections. Graphics/9000 AGP has full clipping capability, picture segment capability for fast interactive manipulation of graphics images, and an additional pick input function to allow operator interaction with picture segments.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	HP-UX	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro
HP Series 300 (D)	HP-UX	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro
HP Series 500 (D)	HP-UX	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B <input checked="" type="checkbox"/> ColorPro

CAD/CAM/CAE

GRAPHICS INSTRUCTION DEVICE (GRID)

RESPONSIVE LOGIC
156 Donald Street
Oregon City, OR 97045
(503) 655-4980

Suggested Retail Price \$495
(U.S. List)

GRID is an acronym for GRaphics Instruction Device. It is specifically tailored for light drafting and CAD training. It comes with a teaching text, is operated by single key strokes, produces industry-quality drawings, and does not require the user to know how to program a computer.

While other companies sell you copy-protected software, Responsive Logic sells you three copies. If a disc or tape should go bad, the user already has a backup copy.

GRID's instructional manual is written in a conversational style and includes drafting problems so that it can be used as a textbook. Commands are introduced in a controlled manner so that users can begin to make simple drawings at their first session. The program itself was classroom proven for two years before it was offered for sale.

GRID is a computer-aided drafting program. Most of the other companies sell you scaled down versions of computer aided design programs. A design program forces users to position crosshairs or a graphics cursor accurately on a video display using cumbersome joy sticks or repetitious pressing of a single key. This process is frustrating and unnecessary for a drafting program. GRID is much faster and more precise. Users simply type in the correct dimensions. GRID can transform 3D information to orthographic, isometric, or oblique drawings and make a new plot immediately. GRID can automatically insert the correct dimension into dimension lines without operator intervention.

GRID stores drawing data as familiar English words, not abbreviations or control characters. A complete and readable list of the drawing file is always available at the push of a button.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training workshops for vocational education instructors are held in June every year. Graduate college credit is available for attendance.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-85 (D)	Series 80	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 9872 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
HP-86, 87 (D)	Series 80	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 9872 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

GRAPHICS INSTRUCTION DEVICE W/TABLET (GRIDT)

RESPONSIVE LOGIC
156 Donald Street
Oregon City, OR 97045
(503) 655-4980

Suggested Retail Price \$495
(U.S. List)

GRIDT is an acronym for GRaphics Instruction Device with Tablet. It is a digitizing computer aided drafting program that contains all of the features of GRID but takes most of its information from the HP 9111A graphics tablet instead of the Series 80 computer keyboard.

GRIDT allows a user to touch a point of the HP 9111A's active area and have the coordinates of that point entered as drawing data quickly and easily.

GRIDT eliminates messy calculations when the position of the radius center of an arc is not known. Just touch three points on the tablet surface and a circular arc is drawn through those three points.

GRIDT allows the creation of template symbols which can be inserted into drawings at any size or angle of rotation. These symbols can be organized into customized menus so that each symbol can be called into a drawing by touching the tablet.

GRIDT allows the user to place horizontal or vertical construction lines on the video display. This makes it easy to transfer information from one view to another and enables the quick creation of neat looking schematics and diagrams.

GRIDT can revise a drawing by moving a single point, moving the entire object, or erasing a single point or the entire object.

GRIDT can generate symmetrical objects with a mirror command and copy them to other places in your drawing.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training workshops for vocational education instructors are held in June every year. Graduate college credit is available for attendance.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-86, 87 (D)	Series 80	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 9872 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

HOLGUIN-CAD

HOLGUIN CORPORATION
5822 Cromo Drive — P.O. Box 12990
El Paso, TX 79912
(915) 581-1171

Suggested Retail Price \$14,000-\$30,000
(U.S. List)

HOLGUIN-CAD is the new standard of excellence from the HOLGUIN Corporation. World renowned Swiss watch manufacturers now use this CAD solution to produce the finest time pieces in the world. HOLGUIN-CAD features heads-up, easy-to-use on-screen menus, displays and prompts that guide the user through all system operations. Display Control System with instant zoom and pan; redisplay; cursor options; dual screen option; menu placement options; and user control of pens, text, layers, axes, symbols, and colors; Drawing Aids with visual, snap grid, and search point options; absolute or relative coordinates; delete last entry; multi-layers; user selectable lines, color, and thicknesses; and metric and imperial units. Advanced Drafting Functions offers dimensioning options, radius and diameter, angles, tolerances, automated stretch or cut features, instant area fill, cross-hatching, chamfers, and fillets. Editing allows you to edit individual lines, symbols or dimensions; or edit group, delete, move, copy, scale, rotate, mirror, area fill, clear area, break line, and drag and stretch. Material Listing lists all symbols in a drawing. Drawing Storage/Retrieval has drawing storage options, delete option, load or save all or selected layers, option to save construction lines. A single disk may be saved by several workstations. Parametric Modelling System gives the user the ability to construct a base model by assigning a series of variable dimensions or parameters. When the initial model is completed, any combination of variables or parameters can be altered to produce countless derivatives and alternatives without redrawing or redesigning each one. HOLGUIN-CAD also offers an automatic contouring program to identify the tool path for NC tape applications. XYZ data can be stored for use by punches, drills, etc.

VENDOR SUPPORT INFORMATION

Information Not Available

VENDOR TRAINING INFORMATION

Information Not Available

Support Comment

Standard support available for users with system managers. Extended support available for turnkey systems where Holguin functions as systems manager.

Training Comment

Management and Operators Training courses available on-site or at the El Paso training center. A computerized training option is available as part of the software.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC 4/SRM	2MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC 4/SRM	2MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

HP EGS

HEWLETT-PACKARD/FORT COLLINS
3404 East Harmony Road
Fort Collins, CO 80525
(303) 226-3800

Suggested Retail Price \$10,000
(U.S. List)

Hewlett-Packard's Engineering Graphics System is a software product designed for HP 9000 Series 200 and 300 computers and peripherals to help engineers and technicians prepare engineering artwork. It is a fully supported turnkey product that is ideal for general and mechanical drawing, electronic schematic preparation, and generation of PC-board artwork. Because HP EGS can handle this wide variety of engineering drawings, it is a good match for design teams having diverse drawing needs.

This system is useable by both the novice and experienced user. Documentation and the system interface have been designed to help first-time users become productive within a few days. The advanced user will find that HP EGS can be tailored to a specific application or used in a fashion that speeds command entry and drawing generation.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required
HP Series 200 (D)	Pascal	2.0MB
HP Series 300 (D)	Pascal	2.0MB

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro 9872
- ColorPro 9872

HPSPICE

HEWLETT-PACKARD/FORT COLLINS
3404 East Harmony Road
Fort Collins, CO 80525
(303) 226-3800

Suggested Retail Price \$15,000
(U.S. List)

HPSPICE is a general purpose, circuit simulation program which is very useful in the analysis and verification of electronic circuits. It is based on the SPICE2 program (version 2G.5) developed at the University of California at Berkeley. An interactive user interface with graphical output has been added to improve engineering productivity in the design and testing of circuits.

HPSPICE supports models for resistors, capacitors, inductors, mutual inductors, voltage/current controlled sources, transmission lines, diodes, bipolar junction transistors, junction field effect transistors, and MOS field effect transistors. The HPSPICE program can perform nonlinear dc analysis with the ability to generate transfer characteristics, linear ac small-signal analysis with noise and distortion simulation, and nonlinear transient analysis with Fourier analysis options. All these analyses can be conducted at different temperatures specified by the user.

The output from an HPSPICE simulation is generated using GRAPHICS/1000-II software with all graphs labeled with a title, a timestamp, and the temperature at which analysis was done; all axes labeled in engineering units; all graphics automatically and uniformly scaled for any output device; and all curves plotted with different line types or different colors. HPSPICE runs in a single-user environment.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)

HP Series 500 (D)

Operating System(s)

HP-UX

Memory Required

1MB

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- 9872

IN*A*VISION

MICROGRAFX, INC.
 1820 North Greenville Avenue
 Richardson, TX 75081
 (214) 234-1769

Suggested Retail Price \$495
 (U.S. List)

IN*A*VISION is an easy-to-learn and easy-to-use CAD and drawing system for IBM compatible personal computers. In addition, IN*A*VISION will run on any computer that supports Microsoft® Windows.

IN*A*VISION incorporates computer and design features not found in design software costing thousands more. However, with IN*A*VISION they are easy to master almost immediately. You can pan around in a user-definable drawing space up to 68 in. x 68 in., zoom in for detailed editing, or zoom out for a bird's eye view. Through the use of overlays, you can create multi-layered drawings up to 16 levels. In addition, you can scale, rotate and dimension symbols, fill an area with your choice of predefined colors and patterns as well as draw lines with multiple styles and widths.

You can interactively rubberband symbols as you create them or stretch symbols already in your drawing. Other features include seven text fonts, pre-defined and user-definable page sizes, rulers, grids, and symbol libraries.

IN*A*VISION is also multi-tasking, so you can perform multiple functions simultaneously. For instance, you can continue drawing as you print.

Even with all its features, IN*A*VISION is remarkably easy to use. In fact, it is quite simple to learn IN*A*VISION just by using it. Mouse-supported pull-down menus eliminate the complexities of most software. Even a novice user can become productive immediately.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

We provide free phone support for all our products.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	PC-DOS	320K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	320K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CAD/CAM/CAE

HP LOGIC DESIGNSTATION SOFTWARE

HEWLETT-PACKARD COMPANY
 Centennial Annex D2 — P.O. Box 617
 Colorado Springs, CO 80901-0617
 (303) 590-2038

Suggested Retail Price \$12,000
 (U.S. List)

Hewlett-Packard's Logic DesignStations provide an integrated solution for automating logic design for electronic systems. The Logic DesignStation family provides tightly coupled design capture, documentation, verification, and netlist generation tools that operate with a common user interface.

The Design Capture System software provides an easy-to-learn design environment that supports not only schematic capture, but also documentation, design database access, and interfaces to the most popular HP printers and plotters.

The Design Verification System software, based on HILO-3 simulation tools, consists of a Design Verification Interface, the HILO-3 Logic Simulator, the HILO-3 Fault Simulator, and the HILO-3 simulation models. The Design Verification Interface extracts circuit data from the Design Capture System database and formats it for use with the logic and/or fault simulators. The HP Software Link is also included to facilitate loading RAM/ROM simulation models. The HILO-3 Logic Simulator verifies design functionality and performs timing checks on a digital circuit design. The HILO-3 Fault Simulator is used to determine the portion of the design that is actually tested by a specific set of test vectors. The model libraries are used by both the logic and fault simulators.

The HP Design Interfaces provide turnkey, netlist extraction for specific printed circuit board design systems, including SCICARDS and Calay. These interfaces also include a netlist comparison and back annotation capability.

The HP Parts Libraries include over 2400 parts in the TTL, MOS, ECL, microprocessor, and PLD families. These libraries are used by the Design Capture System to obtain component symbology, timing, physical packaging, and other parametric information like load currents (drive/drain). These libraries are also directly mapped into the HILO-3 simulation models for accurate and transparent interfacing to the HILO-3 Logic and Fault Simulators.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Model 310 (D)	HP-UX	3MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Model 320 (D)	HP-UX	3MB	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Vectra (D)	MS™-DOS	640K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	640K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

MCCAD EDSC

VAMP, INC.
6753 Selma Avenue
Los Angeles, CA 90028
(213) 466-5533

Suggested Retail Price \$595
(U.S. List)

McCAD EDSC allows the designer to easily create electronic circuit designs directly on the Macintosh computer. The user simply selects the component he wishes to use and then with the assistance of the mouse places it on a 22 in. by 32 in. work surface. The user can then EDIT, DRAG, DUPLICATE, or COPY any component or combination thereof.

McCAD EDSC automatically compiles a NET List and PARTS List record as the circuit design is created. These data records, in addition to the schematic itself, can be output to Hewlett-Packard plotters and a wide variety of other devices. The data records can also be linked to other McCAD Family modules such as, McCAD PCB (Printed Circuit Board design), McCAD SMT (Surface Mount Technology), McCAD DACS (Digital/Analog Circuit Simulator), and the McCAD AUTO-ROUTER for subsequent analysis or processing.

McCAD EDSC comes with a library, to which the user can easily add other devices and components. The McCAD EDSC package includes extraction utilities, file records, and output drivers as built-in functions.

The McCAD EDSC can be used as a front-end preparation tool or in conjunction with other McCAD modules as a fully self-contained CAD station.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Annual support contract is available. It includes MCI and phone support, plus software updates and manual revisions.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Seminars are available.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Lisa/XL (L)	MacWorks	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Macintosh (L)	Macintosh	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CAD/CAM/CAE

MCCAD PCB

VAMP, INC.
6753 Selma Avenue
Los Angeles, CA 90028
(213) 466-5533

Suggested Retail Price Available on Request

McCAD PCB (Printed Circuit Board) is a low cost, sophisticated software tool for designing, creating, editing and revising printed circuit board artwork on the Macintosh personal computer. The system includes an extensive art element library and provides the user with a selection of auto-grids for ease of placement. Database accuracy is to 0.001 in. Art elements can be placed anywhere on the 30 in. by 30 in. worksurface, on or off the grids. Six data planes are supported, permitting multiple layer board applications. The system generates a Silkscreen, Padmaster, Four Trace Layers, Drill Template, Drill Listing, and a Composite CheckPrint. Output drivers include, Hewlett-Packard plotters and a wide variety of other devices. The database can also be plotted via optional software on Gerber-type photoplotters.

The PCB System is configured in such a way that it is very easy to use. The average time required to become fully proficient is less than 20 minutes with 10 minutes being typical.

When PCB is used in conjunction with other McCAD modules the designer will be able to increase his productivity from the comfort of his own desk.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Annual support contract is available. It includes MCI and phone support, plus software updates and manual revisions.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Seminars are available.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Lisa/XL (L)	MacWorks	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Macintosh (L)	Macintosh	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

MICAD

EESOF, INC.
31194 La Baya Drive
Westlake Village, CA 91362
(818) 991-7530

Suggested Retail Price Available on Request

MiCAD is a computer-aided design program for camera-ready artwork, drawings, and documentation associated with microwave and RF circuits. Completely compatible with Touchstone, MiCAD automatically processes and pictures a Touchstone circuit onto a color graphics monitor. Any change made to the circuit is immediately shown on the MiCAD graphics.

The MiCAD database is a hierarchy of up to 350 layers — including bits of a defined network, an entire circuit, or even the entire assembly drawing. Any change made to the database in one layer is reflected in all higher layers.

Any drawing layer or combination of layers can be directed to an output device such as a plotter, coordinatograph, or photoplotter. For example, you could plot just one element, artwork, or an entire assembly drawing.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Twelve months of support included in purchase price.
Annual support contract available after first year.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	640K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC-XT (L)	MS™-DOS	640K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

OSLO, SUPER-OSLO

SINCLAIR OPTICS, INC.
 6780 Palmyra Road
 Fairport, NY 14450
 (716) 425-4380

Suggested Retail Price Available on Request

OSLO is a general-purpose optical design program that can handle most problems concerned with the design of lens and mirror systems. It is very friendly, flexible, and fast. It is an integrated program that has its own editor, calculator, and dual-window display manager.

Super-Oslo is an advanced program meant for unusual design problems, such as those that involve systems without any symmetry, multiconfiguration systems, or systems that use gratings, holograms, or gradient-index materials. It is unique in that it contains a recursive language within itself. Like OSLO, it has extensive graphics and a friendly operating system. But because of its internal Star Command Language (SCL), it can be programmed to handle special problems that are beyond the scope of OSLO.

Both OSLO and Super-Oslo provide extensive graphics output to a CRT display or a Hewlett-Packard HP-GL plotter. Graphical output available from both programs includes system drawings showing ray trajectories, ray-intercept curves, field curves, lateral color curves, distortion curves, spot diagrams, radial energy distributions, and geometrical transfer functions. Super-Oslo produces graphical output of wavefront maps, point-spread functions, and diffraction-limited modulation transfer functions. The SCL language used to control Super-Oslo also has graphics capability, allowing any output from the program to be displayed in graphical form.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

Software support subscription includes program updates, manual updates, status reports, and Phone-in Consulting.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Model 520 (D)	BASIC	1.5MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 200 (D)	BASIC	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC (L)	MS™-DOS	640K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PALETTE

PALETTE SYSTEMS, INC.
Two Burlington Woods Park
Burlington, MA 01803
(617) 273-5660

Suggested Retail Price \$4995-\$150,000
(U.S. List)

Palette is a powerful, full functional 2D/3D, high-performance computer-aided drafting software system which is currently being used successfully by architects, facilities managers, structural, civil, electrical, mechanical, process and production engineers. The ability to tailor Palette to users' specific requirements has broadened its applications to ship building, robotics and the oil and gas industry.

CADD users are impressed with Palette's ease of use, the speed with which they become productive on the system, Palette's attractive pricing, and its compatibility over a large range of computers. This unparalleled compatibility allows users to start with a minimal, low-cost system and progressively develop to a larger, high-performance system with great ease.

Experienced CADD users have chosen Palette for its superior productivity as well as its simple yet extremely flexible command structure and its superb interfacing capacity to other design and drafting systems.

Additional Palette features include a powerful Spatial Database which allows users to assign a number of attributes to any line on a drawing and color-shaded imaging which includes hidden line suppression transparency and Z-clipping.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

A complete set of documentation is provided to users. An annual maintenance fee provides users with updates and enhancements.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available on-site or at the Palette training center in Massachusetts.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DEC Micro PDP (L)	Micro RSX	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC MicroVAX (L)	Micro VMS	1.5MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC PDP (L)	RSX	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC Pro 350/380 (L)	POS2.0	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
DEC VAX 730, 780 (L)	VMS	2MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

PC-DRAW

MICROGRAFX, INC.
1820 North Greenville Avenue
Richardson, TX 75081
(214) 234-1769

Suggested Retail Price \$395
(U.S. List)

PC-DRAW is an interactive, 2D drawing system which will enable you to quickly and easily create drawings up to 99 pages long. Drawings are stored on disk and may be recalled for modification, printing, or plotting.

PC-DRAW utilizes predefined symbol libraries called templates to eliminate the need to redraw commonly used symbols; an unlimited variety of symbols may be created and stored in templates. Several templates are provided with the system including, but not limited to, flow charting, electrical design, networking, office layouts, and alternate text templates.

Drawings are created by selecting symbols from templates and positioning them in the drawing area using the cursor control keys. Symbols may be created using the freehand draw mode and other functions. An extensive set of symbol manipulation functions are available. Those functions include symbol scaling, rotation, block movement, and copying.

PC-DRAW allows creation of drawings in either high resolution black and white or medium resolution color. Built-in utilities allow you to convert your drawings from one resolution to another.

Text is easily included in your drawings from one of the three types of text supported by PC-DRAW. Standard text, meaning ROM-generated text, may be used, but may not be manipulated. Internal text is used for most applications. This text may be scaled and otherwise manipulated like any graphics symbol within PC-DRAW. Alternate text is similar to internal except it can be user defined. Like internal text, the alternate text is entered by typing on the keyboard and may be manipulated using symbol manipulation functions.

Most of the functions within PC-DRAW can also be selected with a light pen. This optional input device is used to select and place symbols and to execute commands by pointing to icons.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Micrografx maintains a customer support department and encourages users to phone for assistance.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM PC (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

POINTE.

NEOTEK SOFTWARE, INC.
60 Monee Road
Park Forest, IL 60466
(312) 747-5651

Suggested Retail Price \$599
(U.S. List)

Pointe. is a 2D computer-aided design system for the Apple IIc and IIe. It comes complete with two system disks and one utility disk. Applications include architectural, mechanical, electrical, and civil engineering, charting, flowcharting, and graphic design.

Pointe. is a unique CAD system offering Macintosh-like pull-down menus using the AppleMouse command and coordinate entry. Pull-down menus allow for simple operation, with the AppleMouse providing an inexpensive alternative to traditional input devices.

Software features include extensive element creation, in addition to trimming, mirroring, moving, rotating, and measuring. Other advanced capabilities include auto-dimensioning with five-point floating precision; text creation including height, width, slant, and angle; zooming; panning; layering; user-specified grids; and masking. Unlike other CAD systems, plotting is achieved without an additional disk. Pen number, pen speed, and paper size may be specified via the software.

Through ease-of-use, powerful features, site licensing, and university developed courseware, Pointe. can successfully address a wide variety of user requirements.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Free program updates for one year after purchase.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apple IIc (L)	Pascal 1.2	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Apple IIe (L)	Pascal 1.2	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

ROBOCAD-PC

ROBO SYSTEMS CORPORATION
111 Pheasant Run
Newtown, PA 18940
(215) 968-4422

Suggested Retail Price \$1495
(U.S. List)

Robo System's RoboCAD-PC is a computer-aided design and drafting system for the IBM PC. It is a full-featured, 2D system which is quickly learned by users, and requires no prior computer familiarity. As a high-speed, interactive, icon-based program, RoboCAD-PC is easy to use, serving as an extension of the intuitive design and drawing processes.

Ease of use is ensured with pull-down menus, moveable palettes for drawing elements, line type and line weight, and an icon catalogue of drawings saved to disk.

Advanced features include rubber banding of all drawing elements. Smooth dragging of symbols, fillets of lines and arcs, tangents from a circle to a point and a circle to another circle, cross-hatching, and partial erase of all elements. Automatic dimensioning is quickly implemented as is conversion between English and metric dimensions. Lines, circles, and arcs are automatically measured on the display as they are drawn. Flexible snap grids and angle locks are easily set by the user who selects desired angles for the X- and Y-axes. A unique magnetic point feature permits the cursor to instantly snap to endpoints and centerpoints, without selecting any snap command, affording the user a smooth, uninterrupted drawing flow.

RoboCAD-PC serves as an effective drawing and drafting tool for architects, engineers, general drafters, facilities planners, graphics designers, interior designers and other designers who seek an easy-to-learn, yet powerful system which saves time.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
PC Compatibles (L)	MS™-DOS	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

SMARTWORK

WINTEK CORPORATION

1801 South Street
Lafayette, IN 47904
(317) 742-8428

Suggested Retail Price \$895
(U.S. List)

smARTWORK lets you create and revise printed-circuit-board artwork on your IBM Personal Computer. It gives you complete control over your circuit board artwork — from start to finish.

What makes smARTWORK so smart is that it understands electrical connections. The program can automatically find and draw the shortest route between two conductors.

smARTWORK is the only low-cost printed-circuit-board artwork editor with all these important advantages: complete interactive control over placement and routing, production-quality artwork from a pen-and-ink plotter, Prototype-quality artwork from a dot-matrix printer, multicolor or black-and-white display, and single-sided and double-sided printed circuit boards up to 10 in. × 16 in.

smARTWORK is an exceptional value, particularly when compared to conventional engineering workstation costs.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

Manual includes a detailed tutorial covering the complete operation of the package.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	MS™-DOS	320K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Compaq Deskpro (L)	MS™-DOS	320K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	320K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Compaq Portable (L)	MS™-DOS	320K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	320K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	320K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B

CAD/CAM/CAE

TOUCHSTONE

EESOF, INC.
 31194 La Baya Drive
 Westlake Village, CA 91362
 (818) 991-7530

Suggested Retail Price Available on Request

With Touchstone, RF/microwave engineers can construct circuits from an element catalog containing over 80 elements, including microstrip, stripline, MMICS, waveguides, substrates, and electronic device models. Engineers can then perform over 160 measurements, including noise figure; stability, source mapping, and noise circles; differential phase shift, group delay, gain, and loss; and all five-parameter measurements. Algebraic calculations on networks can also be performed, with results used for display and optimization.

An interactive interface to the HP 8510 network analyzer permits calibrated measurement data to be read directly into Touchstone over the IEEE-488 interface bus. Data from the HP 8510 can be simultaneously de-embedded from launcher network models, and fitted to lumped or distributed device models. Real-time measurements can be placed directly into Touchstone circuit models, allowing engineers to design around actual devices.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

Twelve months of support included in purchase price.
 Annual support contract available after first year.

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200	(D)	Pascal 3.0	1.125MB	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Daisy Personal Logician	(L)	MS™-DOS	640K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L)	MS™-DOS	640K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L)	MS™-DOS	640K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

VERSACAD

T&W SYSTEMS, INC.
7372 Prince Drive — Suite 106
Huntington Beach, CA 92647
(714) 847-9960

Suggested Retail Price \$1995
(U.S. List)

VersaCAD is a general-purpose, low-cost CAD system with features approaching those of systems costing five to ten times more. Included are ten primitive objects, floating-point decimal accuracy, real world coordinate system, unlimited symbol library capability, 250 independent layers (with complete user control over the mix of line-styles, colors, etc., on each layer), grid and increment snap, area and moment calculations, interactive graphics display, automatic dimensioning and on-screen help messages.

VersaCAD provides the capability for up to 16 high-resolution colors on the screen, single or double display monitor operation, hard disk network configurations, and other options. Related software packages include an automatic Bill of Materials, providing a formatted list of drawing symbols with descriptions, part numbers, etc., and an interface to any IGES-standard CAD system.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Support and updates available for \$750 annually.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Factory and dealer training available.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Model 217 (D)	Pascal	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Tandy (L)	MS™-DOS	384K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

WORKVIEW SERIES

VIEWLOGIC SYSTEMS, INC.
 33 Boston Post Road West
 Marlboro, MA 01752
 (800) CAE-VIEW

Suggested Retail Price \$3500-\$13,000
 (U.S. List)

Workview is an IBM PC-based software program created for the purpose of helping electronic design engineers do their jobs better, faster, and more efficiently. The program provides all the support a design engineer needs to tackle the three fundamental aspects of his job—design, documentation, and communications. There are four versions of the program — the Workview 100, 300, 500, and 700 series — developed to address the needs of both analog and digital designers.

Workview 100 Series — An Entry System with Documentation and Communications. The design facilities of the Workview 100 include a schematics editor and waveform processor. Also featured are symbols libraries for standard, semicustom and analog parts and an EDIF interface which includes an EDIF netlist, schematics, and symbol conversion files. Workview 100's documentation facility provides for the merging of graphics and text. Finally, Workview 100's communications facility provides both mail and file transfer capabilities.

Workview 300 Series — A Digital Design System with Documentation and Communications. Workview 300 series takes all of the capabilities of the 100 series and adds logic and fault simulation.

Workview 500 Series — An Analog Design System with Documentation and Communications. Workview 500 series takes all of the capabilities of the 100 series and adds analog simulation.

Workview 700 Series — An Analog/Digital System with Documentation and Communications. Workview 700 series combines all of the capabilities in the 100, 300, and 500 series under one system.

Options for each of the four Workview programs include plotting, interfaces to CAE/CAD/CAT systems, simulation on supermini computers, and simulation libraries of standard and semicustom parts.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Maintenance charge is 12 percent per year.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Compaq 286 (L)	MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM AT (L)	MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM PC-XT (L)	MS™-DOS	512K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
ACX VM Printer Manager	ACX Software	11-3
EMU-TEK Level 2/Level 3	FTG Data Systems	11-8
EnerConnect Program 2	Enertronics Research, Inc.	11-7
GEOPLOT	Geological Systems, Inc.	5-6
MacPlots II	Computer Shoppe	11-16
MacPlot Professional	Microspot	11-14
Plot It	Collins & Associates	10-17
Plots II	Computer Shoppe	11-20
Plotstart	SoftStyle, Inc.	11-21
Site Comp II V.4	Land Innovation, Inc.	10-18
Template	Megatek	11-26



ENGINEERING

**Packages primarily for civil engineering
that aid in land surveying, geological
plotting, and civil planning**



ACSL

MITCHELL, GAUTHIER & ASSOCIATES
10302 Foothills Circle
Huntsville, AL 35803
(205) 881-0947

Suggested Retail Price \$1600-\$19,200
(U.S. List)

ACSL is a continuous system simulation language designed to help the engineer or scientist mathematically model and analyze the behavior of systems described by time dependent non-linear differential equations. Typical application areas are control system analysis, aerospace systems, chemical systems, power plant systems, robot control dynamics, and automotive systems.

As a programming language, ACSL helps express models for complete solution by a compact, concise description of the physical system. ACSL's interactive model analysis commands provide a friendly interface to your model, permitting convenient parameter changes, data listings, and plots of results.

ENGINEERING

VENDOR SUPPORT INFORMATION

Information Not Available

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apollo (L)	Aegis	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
CDC (L)	NOS	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq (L)	DOS 2	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Cray (L)	COS	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX (L)	VMS	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Gould (L)	MPX	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	MVS/VM	N/S	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC (L)	DOS 2	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT (L)	DOS 3	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7485B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

AUTOMATED DRAFTING SYSTEM

HOLGUIN CORPORATION
 5822 Cromo Drive — P.O. Box 12990
 El Paso, TX 79912
 (915) 581-1171

Suggested Retail Price \$1450-\$2800
 (U.S. List)

Using this system, the user can enter a drafting sequence which allows him to create finished engineering plats or drawings. The program allows the user to view the drawing on either the computer screen or a plotter. The program will annotate automatically and produce tables of annotation which will not fit on the drawing. Text writing is used to generate lines or blocks of text which can be plotted to a plotter. A point plotting option is available which allows automatic plotting of points to either the CRT or the plotter.

Within the Automated Drafting system, the following functions are also available. The ENTER/EDIT SEQUENCE allows the user to select the type of line (boundary, centerline, center dash, long dash, short dash), or select the option of having no lines plotted. The user may also select the type of annotation and the positioning on the line or the curve. SEQUENCE LISTING provides the user with a hard copy, either as he enters the drafting sequence or after it has been entered. The user may also list the drafting sequence to the screen for viewing. EDIT CODE FILE contains a definition of line types, and a positioning table for use during sequence entry for positioning the annotation on lines or curves.

UNIT SELECTION allows the user to choose the linear units in either metric or English units (feet or meters). For directions, North azimuths, South azimuths, or bearings may be selected. DRAFTING SEQUENCE EXECUTION allows the user to send a drawing to any plotter that is supported or to the CRT. The user has the option to turn lines, annotation, points, and labels either on or off. Character sizes can also be adjusted according to the relative character size asked for in the drafting sequence. POINT PLOTTING allows the plotting of points and point numbers without the need to enter a drafting sequence. TEXT PLOTTING can be performed in one of two modes: block or lines. In the lines mode, lines are executed one at a time, with the user defining the character and the pen number for each line, as well as the positioning of the text. The WINDOWING feature allows the user to specify a window boundary to plot only a portion of a drawing.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in support and on-site support programs are available on a yearly contract.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available at the El Paso Training Center, as well as on-site training programs.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC 3.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC 4.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang 2200 (L)	BASIC	38K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

COGO-80/86

CIVILSOFT

1592 North Batavia Street — Suite 1A
Orange, CA 92667
(714) 974-1864

Suggested Retail Price \$690
(U.S. List)

COGO-80/86 is a generalized coordinate geometry program which can be used by civil engineers and land surveyors for subdivision mapping, tract maps and field surveys. COGO-80/86 is completely interactive and self-prompting. Approximately 6000 coordinate points may be stored on a disk file. COGO-80/86 is operational on over 40 different microcomputers running MS™-DOS, PC-DOS, or CP/M®-80 operating systems. Pen plotting capabilities include plotting of points, point symbols, coordinates, point numbers, and lines.

ENGINEERING

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Vectra PC (D)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Apple II (L)	CP/M®-80	64K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
AT&T PC 6300 (L)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Compaq 286 (L)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Compaq Deskpro (L)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Compaq Plus (L)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
IBM AT (L)	PC-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
IBM PC/XT (L)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B
Tandy 1200 (L)	MS™-DOS	128K	■ 7470A ■ 7580B ■ 7475A ■ 7585B ■ 7550A ■ 7586B

COGO-PC

CIVILSOFT

1592 North Batavia Street — Suite 1A

Orange, CA 92667

(714) 974-1864

Suggested Retail Price \$1490
(U.S. List)

COGO-PC is a generalized coordinate geometry program which can be used by civil engineers and land surveyors for subdivision mapping, tract maps, and field surveys. COGO-PC may be run in either an interactive or batch mode.

All internal mathematics are done in double precision arithmetic with an internal accuracy of fifteen digits. Points are stored in tables which are defined when a job is started. Up to 999 tables may be used on any one floppy or hard disk; a table may contain up to 9000 points. Pen plotting capabilities include plotting of points, point symbols, coordinates, point numbers, and lines. COGO-PC allows different line types, annotation, curves, scaling, and pen selection. Screen plotting is available for the IBM PC and compatibles only.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Vectra PC (D)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq 286 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq Deskpro (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Tandy 1200 (L)	MS™-DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

CONTOUR PLOTTING SYSTEM

HOLGUIN CORPORATION
 5822 Cromo Drive — P.O. Box 12990
 El Paso, TX 79912
 (915) 581-1171

Suggested Retail Price \$1550-\$3000
 (U.S. List)

The Contour Plotting System is useful for reducing survey data into finished contour maps. Some of the modules which are contained within the Contour Plotting System are described as follows. X-Y-Z FIELD NOTE REDUCTION allows for reduction of raw field notes and manipulation of coordinates and elevations. POINT NUMBER FILE MANAGER allows the user to specify which points are to be analyzed during the generation of triangle networks. TRIANGLE FILE MANAGER allows the user to manipulate contour plotting system triangles. The editing features within this module allow the user to control the accuracy of the final contours. TRIANGLE NETWORK BATCHING FILE MANAGER allows the user to predefine any number of triangle network batches to be processed. PROCESS TRIANGLE NETWORKS processes the batches of triangle networks which were previously defined within the Triangle Network Batching File Manager. CALCULATE VOLUME AND AREA UNDER THE TRIANGLE NETWORK calculates the area covered by a triangle network and the relative volume under the triangle network.

ELEVATION FILE MANAGER provide functions which allow manipulation of elevations: transfer of CEADS 80's elevations into the Contour Plotting System elevations file, editing of elevations, transforming of elevations using a shift and multiplier, and transferring of elevations between elevation files. PROFILE FILE MANAGER allows the manipulation of stations within a profile file. A profile contains stations with elevations, and may contain special points and vertical curves. LINE FILE MANAGER allows a user to establish or define horizontal alignments for the automatic generation of profiles. FIXED LINE PROFILE generates a profile from the coordinates and elevations of the points in a line file. These points must already have coordinates and elevations previously assigned to them. RANDOM LINE PROFILE generates a profile using the coordinates of points in a line file and from the surfaces of the triangles which have been generated in a triangle file. PLOTTING options include plots of profiles with or without axes, axis labeling, and point annotation. Profile plots may include vertical curves.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in support and on-site support programs are available on a yearly contract.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available at the El Paso Training Center, as well as on-site training programs.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC 3.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC 4.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang 2200 (L)	BASIC	38K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

ENGINEERING

EARTHWK

CIVILSOFT

1592 North Batavia Street — Suite 1A

Orange, CA 92667

(714) 974-1864

Suggested Retail Price \$400
(U.S. List)

EARTHWK is a completely interactive program which may be used for cut and fill calculations for given cross sections along an alignment. Up to 50 centerline stations may be made in any one run. Any number of runs can be made sequentially. Each centerline station can have up to 30 X,Y coordinate pairs for describing either the existing or proposed profile. Cross sections can be added or deleted at any point along the profile. Volumes can be calculated by using the average area end method or the prismatic method. Data and results may be either English and metric units. Screen graphics are available on the IBM PC and compatible computers.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Vectra PC (D)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
AT&T PC 6300 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq 286 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq Deskpro (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq Plus (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Tandy 1200 (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

EARTHWORK (SURVOL)

HOLGUIN CORPORATION
 5822 Cromo Drive — P.O. Box 12990
 El Paso, TX 79912
 (915) 581-1171

Suggested Retail Price \$3500-\$5000
 (U.S. List)

This is a general purpose Earthwork package which is suitable for design, construction progress, and as-built phases of construction for roads, highways, railways, airstrips, canals, stockpiles, bore holes, and earth dams. It consists of a core package as well as optional modules. The CROSS SECTION MODULE allows the user to enter cross section data in the following ways: an elevation offset; HI, Rod reading, and offset; percent slope and slope distance; interactive graphics; contour maps (using an optional digitizer module); total station instrument (using an optional data collector module); and other computers. Up to six material layers may be selected for data entry and display, codes for features such as tree lines may be input for listing and plotting of plan sheets, and the user has several plot options, including different material layer types or colors (on color terminals), grid types, and auto-scaling. SURVOL also includes a VERTICAL ALIGNMENT MODULE, a DESIGN MODULE, and a VOLUMES MODULE which provides computation of volumes for design and construction for preliminary design volumes, final design volumes, construction progress volumes, or as-built volumes. The volume run includes the following features: multi-material volumes, material shading (multi-colored if it is a color CRT) on screen and printer plots, automatic calculation of grade and sub-grade, automatic switching of different templates, volume corrections for horizontal curvature, individual shrink/swell factors for each material layer, and mass haul and slope stake information storage.

An optional HIGHWAY MODULE features a realignment function which allows the route designer to relocate the horizontal alignment anywhere on the topo surface with automatic adjustment of the cross section data. The user may also enter bore hole information which is used by the program for automatic interpolation of sub-surface materials during the volume calculations. An optional DATA COLLECTOR MODULE allows transfer of Geodimeter total station data (via GEODAT) into the HP 200 series computers. An optional DIGITIZER MODULE allows cross sections to be digitized from contour maps.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in support and on-site support programs are available on a yearly contract.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available at the El Paso Training Center, as well as on-site training programs.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC 3.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC 4.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang 2200 (L)	BASIC	38K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

ENGINEERING

EARTHWORK/MASS DIAGRAM SYSTEM

HOLGUIN CORPORATION
 5822 Cromo Drive — P.O. Box 12990
 El Paso, TX 79912
 (915) 581-1171

Suggested Retail Price \$1550-\$3000
 (U.S. List)

This system is useful for calculating earthwork volumes for proposed roads, parking lots, highways, airstrips, and railways. It can also be used to obtain volumes of stockpiles or excavated areas. BASELINE CONTROL identifies any project using a baseline or baselines. The existing terrain (natural ground line) for any project's various design alternatives may share a common baseline and be defined and stored separately. Design data can be entered and stored completely independently of any existing terrain data, using existing data which is available for various design alternatives. CORRECT, ADD, and DELETE are options which the system uses to correct or delete any data (offsets, or elevations) without reentering data that was previously processed correctly. The user has the option to add or insert additional data entries at any station.

COPY, ADJUST, and ROTATE programming allows the user the option to copy station templates along with proper adjustments which allow him to reuse previously entered design data. The user may also rotate any station with respect to any offset point during the roadway design process. The "Average End Area" method is used to compute volumes for cut and fill (COMPUTATION METHOD). CROSS SECTION PLOTTING is a module which allows users to plot cross sections for any specified station or series of stations, including interpolated station numbers. The user can specify how and where the vertical and horizontal axes are to be plotted, character size for annotation, both vertical and horizontal scales, and one of four types of plotting options.

SLOPE STAKING REPORTS is a program which automatically calculates slope staking data for any desired design. This allows the field crew to quickly stake the design on the existing ground. The PERSPECTIVE PLOTTING program allows the user to plot perspectives using existing and finished profiles at a user-selectable scale, perspective angle, and perspective factor to produce a three-dimensional effect plot. (These plots can be very helpful for client presentations, since they enable a better visualization of a project.)

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in support and on-site support programs are available on a yearly contract.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available at the El Paso Training Center, as well as on-site training programs.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC 3.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC 4.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang 2200 (L)	BASIC	38K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

ESP-200 VOLUME 1: COGO-200

PACSOFT INCORPORATED
 330 Fourth Street — Suite 200
 Kirkland, WA 98033
 (206) 827-0551

Suggested Retail Price \$2200-\$4000
 (U.S. List)

COGO-200 is a 3D coordinate base (X-Y-Z) with optional 20 character descriptors and up to 10,000 points per file. Friendly, menu-driven operation eliminates the need to memorize cumbersome codes.

INSTANT IMAGE plots appear automatically on the CRT or pen plotter as points are solved. Designs can be checked for aesthetics or errors before problems are compounded. Add design sketches to printouts with the Dump Graphics capability.

COMMAND MEMORY allows for optional storage of the input design sequence. Commands may be edited and re-executed or used to create custom solutions.

Identify and store sets of related points, then work with all these points as a unit. Use this to duplicate standard details, generate plot sequences, select points for staking, or define figures for area, alignment, or intersection calculations.

Complete field control routines offer optional reduction for stadia, slope, curvature, refraction, HI/HT, etc. Connect electronic data collectors or calculators for automated field note input. Choose from a variety of collectors available from major instrument manufacturers. The point protect option prevents accidental over-writing of existing points.

Over 200 different solutions are available for virtually any geometric design problem, including pre-determined areas, horizontal and vertical alignment, figure-figure intersections, and section breakdown.

ENGINEERING

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free phone support available free as long as customer has package. Free updates also.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is \$400 a day at our site, \$400 a day plus expenses at customer site. Training is not required; all packages come with sample problems.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC	756K	<ul style="list-style-type: none"> <input type="checkbox"/> 7470A <input type="checkbox"/> 7475A <input type="checkbox"/> 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
HP Series 300 (D)	BASIC	756K	<ul style="list-style-type: none"> <input type="checkbox"/> 7470A <input type="checkbox"/> 7475A <input type="checkbox"/> 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B
HP Series 500 (D)	BASIC	1.25MB	<ul style="list-style-type: none"> <input type="checkbox"/> 7470A <input type="checkbox"/> 7475A <input type="checkbox"/> 7550A <input type="checkbox"/> 7580B <input type="checkbox"/> 7585B <input type="checkbox"/> 7586B

ESP-200 VOLUME 2: PACDRAFT-200

PACSOFT INCORPORATED
330 Fourth Street — Suite 200
Kirkland, WA 98033
(206) 827-0551

Suggested Retail Price \$2400-\$4250
(U.S. List)

PacDraft-200 is a survey drafting package capable of producing finished drafting quality plots. Plots appear automatically on the CRT or pen plotter as the drafting sequence is entered. This allows a quick visual check of the plot so errors can be caught immediately and problems are not compounded. The drafting sequence may be entered as previously defined SETS generated in the COGO-200 program. The individual drafting standards of each user may be stored within PacDraft as KEYS. KEYS define line types, annotation types and positions, and point mark and symbol types.

SEARCH & REPLACE and FIND & EDIT functions act as mini-base management routines allowing conditional search of the drafting sequence file for commands meeting your defined conditions. You may then interactively edit these commands or automatically make specified changes. The system then restores the altered commands automatically.

PacWrite is a text editor allowing you to input, manipulate and plot blocks of text. Specifications, notes, legal descriptions, etc., are all easily processed. Even left and right justification is available.

PacDraft gives you the ability to define up to 99 of your own symbols. These may be point marks, logos, title blocks, landscape symbols, north arrows, or anything else you require. The same drafting sequence need only be input once in order to produce many different types of drawings. Each item of annotation, calculated distances and bearings, point numbers, northings, eastings, elevations, descriptors, etc., may be turned on or off depending if you want a worksheet, final drawing or something in between.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free phone support available free as long as customer has package. Free updates also.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is \$400 a day at our site, \$400 a day plus expenses at customer site. Training is not required; all packages come with sample problems.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC	756K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC	756K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 500 (D)	BASIC	1.25MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

ESP-200 VOLUME 3: EARTHWORK/ROADS



PACSOFT INCORPORATED
330 Fourth Street — Suite 200
Kirkland, WA 98033
(206) 827-0551

Suggested Retail Price \$3750-\$5750
(U.S. List)

Earthwork/Roads is volume 3 of the ESP-200 series. Partially developed on Hewlett-Packard's Series 500 engineering workstations, Earthwork/Roads is completely integrated with the COGO-200 and PacDraft-200 packages. It features extensive field note reduction routines, horizontal and vertical alignment design, smart templates, and professional-quality drafting of cross sections and plan and profile sheets.

Smart templates apply themselves selectively to each cross-section, making on-the-spot decisions based on user defined criteria. For example, a template can be defined to extend to a catch point at a given slope unless the catch point falls outside the right-of-way; then it can be forced to the right-of-way at whatever slope is necessary and flagged to alert the user.

The "unless-then" and branching decision-making capabilities can actually be applied numerous times in the same template. They can build upon each other to virtually mimic the way a design engineer thinks. Watching the computer try one alternative after another, after evaluating the previous result, is much like standing behind an engineer and watching over his shoulder as he decides what to do in each situation based on job parameters and his experience. The difference is the computer problem is moving through the job 20 to 100 times faster than any one engineer could.

Other features of Earthwork/Roads include the ability to compute surface areas between any two horizontal alignments (for asphalt, clearing and grubbing, hydro-seeding, etc.), solve and plot toe of slope, plot utility locations with special symbols on cross sections and profiles, provide slope staking, and grade staking reports and generate mass diagrams.

Two different centerline alignments, with completely independent stationing, may be used for the original and final ground lines. The system automatically corrects for skew and offset.

Numerous project alternatives can be automatically tried by altering various design components and re-executing all the alternatives in batch mode.

ENGINEERING

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Toll-free phone support available free as long as customer has package. Free updates also.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is \$400 a day at our site, \$400 a day plus expenses at customer site. Training is not required; all packages come with sample problems.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC	756K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC	756K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 500 (D)	BASIC	1.25MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

GEOCONTOUR

GEOCOMP CORPORATION
 342 Sudbury Road
 Concord, MA 01742
 (617) 369-8304

Suggested Retail Price \$550
 (U.S. List)

GEOCONTOUR offers a fast, easy method of plotting contours for a wide variety of data. The user inputs coordinates and data together with the desired contour values. GEOCONTOUR uses linear interpolation to locate and draw the contour lines. The user may include information to add geometry, symbols, labels, and titles.

GEOCONTOUR is useful in any application where one wishes to draw curves connecting locations with the same value. Typical examples are contours of elevation, depth to some feature, isotherms, isobars, spacial distribution of a contaminant, and surveying data.

GEOCONTOUR can help you present large amounts of data in a clear, concise manner. The added abilities to draw labels, symbols, and geometry of any size at any angle let you customize your contour plot. GEOCONTOUR helps make your plot deliver your message.

GEOCONTOUR can accommodate up to 1000 data points. These points may be input in any order. Contour lines may be drawn in color and labelled to your exact requirements. A legend is automatically drawn at the location you specify.

GEOCONTOUR is supplied on diskette in compiled FORTRAN for the IBM PC. Versions are available for most screen graphics cards. A detailed user's manual with examples is included. You may run GEOCONTOUR from a copy stored on a hard disk. A large version is available which accommodates 4000 points.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Free telephone support for 30 days from purchase.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Columbia (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq PC 286 (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Corona (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Data General One (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Eagle PC (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Leading Edge (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Zenith Z-150, 158 (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

GEOMETRIC DESIGN SYSTEM (COGO)

HOLGUIN CORPORATION
 5822 Cromo Drive — P.O. Box 12990
 El Paso, TX 79912
 (915) 581-1171

Suggested Retail Price \$1350-\$2600
 (U.S. List)

This system is used to define and solve geometric design problems which are encountered in land surveying, land development, and the design of utility service lines, pipelines, roads, highways, bridges, airports, etc. It allows the user to display points, lines, and curves interactively on a graphics screen or the plotter as the calculations are performed and to display COGO files which have been previously created. The following functions are available within the Geometric Design System: STORE COORDINATES X-Y-Z; POINT PROTECT; UNIT SELECTION; STORE BEARING; INVERSE; and TRAVERSE FROM A KNOWN POINT, USING A DIRECTION AND DISTANCE TO SOLVE AND STORE ANOTHER POINT. Six types of solutions are provided for this problem: Traverse Bearing; Traverse Point; Defined Bearing; Defined Bearing plus or minus an Angle; Defined Distance; and Defined Distance Plus or Minus another Distance. FROM TWO KNOWN POINTS GIVEN THE DIRECTIONS and/or DISTANCES TO A THIRD POINT, SOLVE AND STORE THAT THIRD POINT (six types of solutions are available for this type of problem): Bearing - Bearing; Defined Bearing - Bearing; Bearing - Distance; Distance - Distance; Defined Distance - Distance. CURVE COMMANDS provides the user the following modules for curve-related problems: Curve Angle; Curve-Arc; Curve Chord; Curve Inverse; Three-point Problem; Tangent from a point to a Circle; Tangents from a Circle to a Circle; and Street Curves. COMPUTATIONS are performed using several miscellaneous modules: Traverse Points; Curve Points; Curve PI; Line/line; Line/curve; Curve/curve; Cul-de-sac; Master module; and Right-of-Way. Within AREA FUNCTIONS, by entering the boundary of any figure, the user may find the corresponding area of that figure in square feet or square meters and acres. Defined areas (area cutoff) is used when processing lots or tracts to obtain a specific square footage or acreage. SCREEN AND PLOTTER GRAPHICS is an option with and/or without using screen graphics and can be used with a plotter for lines, points, and point numbers. BATCH LOT/MAP CHECK allows the user to enter and store a block and a log sequence in a permanent file.

ENGINEERING

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in support and on-site support programs are available on a yearly contract.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available at the El Paso Training Center, as well as on-site training programs.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC 3.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC 4.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang 2200 (L)	BASIC	38K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

MASTER DESIGN SYSTEM

HOLGUIN CORPORATION
 5822 Cromo Drive — P.O. Box 12990
 El Paso, TX 79912
 (915) 581-1171

Suggested Retail Price \$750-\$1800
 (U.S. List)

This module allows the user to plot profiles of street designs, sewer designs, etc., and to display them either on graphics screens or plotters. The HORIZONTAL CONTROL SYSTEM provides the options to use either arc definition or chord definition curves, to designate any arc length intervals or chord length intervals within the limits of each horizontal curve, and to establish centerline control points at given intervals (stations, deflections, and chords) for any horizontal curve, along with its offsets. It includes automated stationing, special control points and a horizontal alignment report. The VERTICAL CONTROL SYSTEM enables a user to define any existing ground profile (natural ground line) using rod readings, if desired and to enter a series of stations and elevations. The existing ground profile is stored independently and can be processed with a number of design profile alternative. It includes vertical design and a vertical alignment report. The PROFILE PLOTTING SYSTEM may be used to reference standard plan and profile sheets, to calibrate the origin of the plotter to the origin of each sheet, to plot the horizontal and vertical axis at any scale, and to label stations and elevations with variable character heights at any station interval. The PVI's, PVC's, and PVT's will be automatically labeled. The DIMENSION WINDOW allows the user to define the exact overall dimensions of the plot, prior to the actual plot of a profile. The EXISTING PROFILE is capable of automatically processing the existing ground profile to any horizontal and vertical scale desired. The DESIGN PROFILE can automatically process the design profile to any horizontal and vertical scale, as well as automatically label any station interval for both design and existing ground elevations. The PROFILE PLOT DISTRIBUTION is used to divide a project to provide a balanced distribution of plans and profiles for plotting on plan and profile sheets. The OFFSET CONTROL enables the user to automatically calculate the right and left sides of a road, canal, etc., by specifying an offset distance.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Phone-in support and on-site support programs are available on a yearly contract.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Training is available at the El Paso Training Center, as well as on-site training programs.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	BASIC 3.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	BASIC 4.0	768K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang 2200 (L)	BASIC	38K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Wang PC (L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

PLOT IT

COLLINS & ASSOCIATES
 187 Flying Mist Isle
 Foster City, CA 94404
 (415) 571-6991

Suggested Retail Price \$175
 (U.S. List)

PLOT IT is a comprehensive program for plotting single or multiple line curves, data manipulation, and curve fits of data to first order and polynomial curves. The plots may be linear, semi-log, or log-log. You may have four independent Y-axis scales with a common X-axis scale for plotting. Vertical 'min-max' plots may be plotted to show any number of values for one X value.

Line/bar charts may be plotted with any number of bars or clusters of bars up to the limit of the plot size. For example you can have one cluster of 45 bars, three clusters of 12 bars, etc. Three forms of curve smoothing are available — moving average, exponential, and a '3-on-3' smoothing procedure.

Curves may be plotted on the CRT or plotter. Data for up to 12 curves of up to 100 points each can be in memory at one time. Additional data can be entered from the keyboard or disk file so that the number of curves that may be plotted on one graph is unlimited. Both A- and B-size plots are supported on the HP 7475 and 7550 plotters. VisaCalc® data files may be read and plotted.

Curves on the plotter can be placed in nine different horizontal and three different vertical plot locations. These may be mixed in any combination you wish on one sheet. Text plots can be done, edited, and stored to disk for covers and/or text on a plot. Data files and plotting formats for the CRT or plotter are stored in separate disk files. You can have a plot on the CRT and the plotter at the same time and work on each in rotation as desired. Up to 20 labels for each plot can be stored with the plot format data for both CRT and plotter formats. These labels may be deleted, edited, or added to at any time. Curves can be plotted in eight different line types and five different point markers in any combination selected. In addition the user may select as a marker any keyboard character or group of characters. Plots done on the CRT can be stored as a complete graph and later recalled and be added to with additional data from the keyboard or disk file data.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

On-site consulting available on a fee and expense basis.

VENDOR TRAINING INFORMATION

Information Not Available

Training Comment

Programs do not require training.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP-86, 87 (D)	BASIC	192K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SITE COMP II V.4

LAND INNOVATION, INC.
7359 Berkshire Court
Maple Grove, MN 55369
(612) 420-6811

Suggested Retail Price \$2500
(U.S. List)

Site Comp II V.4 is a complete design and drafting software system specifically designed for civil engineering, surveying, and companies involved in land development, design, and coordinate geometry. This is a fully integrated package that offers 3D coordinate geometry for surveying, development design, and note reduction. The five types of geometry are for specific needs: survey note reduction; two dimensional design; automated geometry that does lots and streets automatically; graphics tablet geometry including the ability to "snap" to points; and modeling which allows final geometry by graphics representation.

Site Comp II offers full 2D and 3D plotting for screen and external Hewlett-Packard plotters. Unlike other packages, Site Comp II allows plotting accurately at any size and scale, windowing, zooming, base sheets, complete annotation — all from the main body of the coordinate geometry program. Most routines can automatically compile drawing figures and plot on command. Contour mapping is included and draws automatically. Contour grids can be drawn in 3D. The interactive 3D plotting can draw "tree stumps" with shadows! Landscape Architecture (also included) has an additional 496 materials with cost estimation option.

Vertical design allows simple hydraulics and most vertical calculations for profile work. It also includes built-in Profile Plotting which can plot any size and scale using the screen or external HP plotter. Plots can use grid sheets or plain sheets that have no grid lines.

Legal descriptions are easily written by inverting points. Statements can be easily inserted in courses. This eliminates transportation errors and saves 60 to 90 percent of the time it takes to write legals. The legal text can be stored revised, or right justified.

VENDOR SUPPORT INFORMATION

- | | |
|---|--|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input checked="" type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input checked="" type="checkbox"/> Mail-in Support | <input checked="" type="checkbox"/> Program Modification |

Support Comment

No charge for phone-in; no charge for installation within 500 miles when ordering direct.

VENDOR TRAINING INFORMATION

- | | |
|---|--|
| <input checked="" type="checkbox"/> Seminar | <input type="checkbox"/> Training Center |
| <input checked="" type="checkbox"/> On-Site | <input checked="" type="checkbox"/> Workshop |
| <input checked="" type="checkbox"/> Course(s) | <input type="checkbox"/> Contracted Site |

Training Comment

Training available; cost on request.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Models 216, 217, 236 (D)	BASIC 3.0	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Models 310, 320 (D)	BASIC 4.0	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
3-D GRAPHIXX	Universal Intergraphics Corporation	9-3
ACX VM Printer Manager	ACX Software	11-3
Advanced Graphics Software	Auto-Trol Technology Corporation	9-5
Anvil-1000MD	Manufacturing & Consulting Services	9-6
Anvil-4000	Manufacturing & Consulting Services	9-7
ASYST	Macmillan Software Company	7-3
AutoCAD	Autodesk, Inc.	9-8
CADD 200-300	Tensegrity, Inc.	9-9
CADKEY	Micro Control Systems, Inc.	9-10
CONTOUR	Civilsoft	5-5
CPERT	Collins & Associates	4-3
Drafix II	Foresight Resources Corporation	9-20
EMU-TEK Level 2/Level 3	FTG Data Systems	11-8
GEOPLOT	Geological Systems, Inc.	5-6
LC DATA	Collins & Associates	4-5
MacPlot Professional	Microspot	11-14
McCAD EDSC	VAMP, Inc.	9-33
McCAD PCB	VAMP, Inc.	9-34
OSLO, Super-Oslo	Sinclair Optics, Inc.	9-36
Palette	Palette Systems, Inc.	9-37
Plots II	Computer Shoppe	11-20
Robo CAD-PC	Robo Systems Corporation	9-40
TEKMAR Graphics Library	Advanced Systems Consultants	11-25
Template	Megatek	11-26
TYPOGRAPHY	PacSoft, Inc.	5-13
VersaCAD	T & W Systems, Inc.	9-43



OTHER APPLICATIONS

**Utilities, subroutines, and networks —
packages that add a wide variety of
capabilities to your computer system**



ACX VM PRINTER MANAGER

ACX SOFTWARE

1300 Iroquois Drive — Suite 250
Naperville, IL 60540
(312) 983-5555

Suggested Retail Price \$7000-\$10,000
(U.S. List)

The ACX VM Printer Manager product line allows users of IBM mainframes to extend the concept of spooling and printer management to the growing world of graphics. The ACX VM Printer Manager spools GDDM and SAS/Graph output directly to HP plotters and can automatically plot up to four individual graphic print files on one page. Users receive their output faster because graphs can be printed on the first available device within an eligible group of devices. All graphics output is sent to one service machine rather than to a different service machine for each plotter.

The ACX VM Printer Manager product line allows CMS users to generate plots and presentation graphics without waiting for physical devices to be attached; therefore, users are freed up to do other tasks. Users are notified on-line when their plots are started and finished.

The ACX VM Printer Manager controls the number of copies to be plotted while allowing plots to be saved in the VM/SP spool area. Long plots and multiple copies of plots can be run in off-peak hours.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required
IBM 30XX, 43XX (L)	VM/CMS	80K

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585E
- 7586B

OTHER APPLICATIONS

BANYAN NETWORK SERVER

BANYAN SYSTEMS, INC.
 135 Flanders Road
 Westboro, MA 01581
 (617) 366-6681

Suggested Retail Price Starts below \$10,000
 (U.S. List)

Banyan's Virtual NETworking Systems (VINES) architecture and the Banyan Network Server offer complete, flexible communications for the integration of personal computers in a comprehensive computing network. VINES integrates a broad, multi-vendor mix of PCs, local area networks (LANs), and host computers so users can pick the right computer resource for the situation. The Banyan Network Server is a 32-bit super micro computer, optimized for network performance. Each supports up to 400 MB shared disk, 60 MB tape backup, eight MB memory and up to four networks and 12 communications ports. PCs connected to a Banyan Network Server can use any service located on that server, on attached hosts, or on other servers located on the virtual network. Users can transparently share files, printers, electronic mail, communication links to IBM and other host computers, applications, and other network services. Users never have to know where or how things are connected to the network. With VINES' StreetTalk naming system, users can "browse" through the network, find the resource they need, and use it. VINES handles the complexities of networking so all services appear to be resident on the local PC.

Banyan Network Servers support multiple networks simultaneously, serving as transparent gateways between networks. For remote sites, they provide an inter-network connection using leased lines or packet switching networks. Supported networks include Ethernet, Pronet, Omninet, PC Network, and Arcnet.

The VINES architecture provides the flexibility for users to mix different vendor's products to meet specific situations. Banyan supports a variety of currently available local area networks and will continue to support future technologies as they evolve. By connecting multiple, previously incompatible networks, Banyan allows users to preserve prior investments while adding new technology to meet growing needs. Banyan's VINES software is also available for the IBM AT, a cost effective solution for networking small groups of personal computers.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Banyan offers a wide range of customer support services including customized support.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Banyan offers training for end users, network managers, and systems integrators on all aspects of network usage.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Banyan Network Server (L)	VINES	1MB	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L) VINES	1MB	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

CONTOURING SYSTEM

PRECISION VISUALS, INC.
 6260 Lookout Road
 Boulder, CO 80301
 (303) 530-9000

Suggested Retail Price \$2500-\$8000
 (U.S. List)

Contouring System is a collection of routines that provide grid generation and contouring capabilities. Precision Visual's DI-3000 system is a prerequisite for use of this system, which is device and machine independent. Contour maps can be generated from either gridded or randomly-located data. A rich set of options allows extensive control of map characteristics. Each option is set to reasonable default initially, allowing the user to produce maps with minimum effort. Additional features include: map-projection transformations; a quick-look algorithm for fast graph preview; labelling the maximum and minimum points; blanking regions of the maps; and generating various map boundaries.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Award-winning documentation and on-site and in-house training.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP 3000 (L)	MPE	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
CDC (L)	NOS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Data General (L)	AOS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC 10/20 (L)	TOPS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
DEC VAX (L)	VMS/UNIX™	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Honeywell (L)	GC053/CP-V	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM (L)	VM/MVS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Prime (L)	Primos	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

OTHER APPLICATIONS

ENERCONNECT-PROGRAM 1

ENERTRONICS RESEARCH, INC.
150 North Meramec — Suite 207
St. Louis, MO 63105
(314) 725-5566

Suggested Retail Price \$650
(U.S. List)

EnerConnect provides easy accessibility for the PC user to take full advantage of the excellent graphics generated by GDDM, ISSCO's TELL-A-GRAF and DISSPLA software.

Once the mainframe graphics are on the PC, via coaxial or modem communications, the files can be viewed, reduced, enlarged, rotated, annotated, and cut and pasted under PC processing control. Output can be directed to PC-based peripherals, printers, plotters, or sent back to the host through the PIF file structure for output on the host's peripherals.

Additionally, data files from EnerGraphics, Enertronics' PC-based graphics program, can be merged with the mainframe graphics files through EnerConnect. This allows PC spreadsheet data from Lotus 1-2-3™ and Multiplan® to be combined with mainframe graphics. This interaction gives complete graphics compatibility to the corporate user.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Customers can phone (800) 325-0174 for technical support and more information.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM 3270 PC (L)	PC-DOS 2.0	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	PC-DOS 2.0	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS 2.0	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

ENERCONNECT-PROGRAM 2

ENERTRONICS RESEARCH, INC.
150 North Meramec — Suite 207
St. Louis, MO 63105
(314) 725-5566

Suggested Retail Price \$795
(U.S. List)

EnerConnect Program 2 turns your PC into a low-cost graphics workstation. Using the IGES standard data format, many popular CAD/CAM graphics data files (such as CADAM) can be displayed and manipulated.

The engineer can perform drawing reviews, quality control checks, annotate errors, and send output to low-cost PC peripherals. Also, if using the PIF file format, the edited files may be uploaded back to the host for output on the host's peripherals.

EnerConnect allows engineers and designers the freedom to work at their stations without costly time consuming mainframe connection. This increases design productivity and accessibility on the PC to the highest quality graphics.

For very specific technical graphics needs, customization is available. EnerConnect will continue to add the newest IGES format structures as they're offered.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Customers can phone (800) 325-0174 for technical support and more information.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required
IBM 3270 PC (L)	PC-DOS 2.0	256K
IBM AT (L)	PC-DOS 2.0	256K
IBM PC/XT (L)	PC-DOS 2.0	256K

HP Plotter(s) Supported

- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro
- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro
- 7470A
- 7475A
- 7550A
- 7580B
- 7585B
- 7586B
- ColorPro

OTHER APPLICATIONS

EMU-TEK (LEVEL 2/LEVEL 3)

FTG DATA SYSTEMS

10801 Dale Street — Suite M-2

Stanton, CA 90680

(714) 995-3900

Suggested Retail Price \$395-\$495
(U.S. List)

EMU-TEK, at its various levels, provides complete Tektronix 4010/4014/4105 emulation on an IBM PC. Expanding the efficiency of individual workstations, EMU-TEK permits a versatile and powerful personal computer to function as a TEK graphics terminal, capable of accessing an extensive library of software. EMU-TEK is totally compatible with such programs as DISPLA, TELL-A-GRAF, SAS/GRAPH, and MACCS.

EMU-TEK (Level 2) incorporates all of the features of FTG's base product — a Tektronix 4010 emulation — and adds Tektronix 4014, VT100 and VT-640 features. Graphics are displayed in four character sizes, ranging from 35 lines of 74 characters to 64 lines of 133 characters. EMU-TEK offers five line styles — solid, dotted, dashed, and combinations. Point plot and incremental graphic modes are also part of the program. Resolution to 4096 × 3120 is possible with EMU-TEK's local zoom and pen-plotting facilities.

The pen plotter support provides high-quality copies of graphic images, either as received or as redisplayed with local zoom. A file transfer capability allows text and binary files to be up-loaded to or down-loaded from another computer.

EMU-TEK (Level 2) contains a complete DEC VT100 emulator for text operations as well as a full and correct emulation of a DIGITAL ENGINEERING VT-640 terminal. The VT-640 is a VT100 terminal upgraded with DIGITAL ENGINEERING's RETROGRAPHICS board, and it offers 4010 emulation with selective erase capabilities, additional character sets, and the ability to scroll text non-destructively over graphics.

EMU-TEK (Level 3) incorporates all of the features of Level 2 and, with an emulation of a Tektronix 4105 terminal, adds color. In either monochrome (Level 2) or color (Level 3), EMU-TEK can link an IBM PC to a multitude of graphics-intensive mainframe software.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

A 30-day money-back trial privilege permits risk-free evaluation.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

GEOGRAF

GEOCOMP CORPORATION
 342 Sunbury Road
 Concord, MA 01742
 (617) 369-8304

Suggested Retail Price \$275
 (U.S. List)

GEOGRAF is a state-of-the art software utility which you add to your programs to prepare high-quality, customized graphs of any type. These graphs can be produced on the screen, dot matrix printer, and pen plotter. GEOGRAF reduces the effort required to create charts and graphs by up to 80 percent. Unlike other graphics software for microcomputers, GEOGRAF is aimed at technical professionals who use microcomputers in their work. The library is comparable to ones used by technical professionals on mainframe computers for the last twenty years. Use GEOGRAF to add high quality graphics to your programs.

Version 3.0 is available for Microsoft® FORTRAN, IBM Professional FORTRAN, IBM Basic, and Summit Software Better Basic. Version 3.0 adds support for most popular graphics cards and pen plotters. New capabilities allow flexible formatting of axis labels, easy addition of grids to plotted data, windowing, scaling, and twelve optional character fonts.

GEOGRAF has been adopted for use by major corporations, universities, research institutions, and applications software developers. We offer a variety of licensing arrangements including single CPU; multiple copy, intra-company licenses; and resale licenses for applications software which uses the GEOGRAF library.

You receive the library for your specified language and compiler, one screen graphics card driver, one plotter driver, the standard character font, the user's manual, and several examples. Additional graphics device drivers and character fonts are available as options. Demo diskette available.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Free telephone support for 30 days from purchase.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T PC 6300 (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Columbia (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Compaq PC 286 (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Corona (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Data General One (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Eagle PC (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM AT (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Leading Edge (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Zenith Z-150, 158 (L)	DOS	128K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

OTHER APPLICATIONS

GK-2000

PRECISION VISUALS, INC.
6260 Lookout Road
Boulder, CO 80301
(303) 530-9000

Suggested Retail Price \$4000-\$21,000
(U.S. List)

GK-2000 is a graphics software tools package consisting of more than 190 user-callable subroutines. GK-2000 enables programmers to develop 2D applications that are device independent. The package's capabilities meet and exceed the ANSI GKS specifications — including interactive 2D image manipulation, support for up to 11 concurrent device drivers, 24 strike-precision fonts, 256 line types, and full-range of graphics input devices. Features specific to the GKS standard include: workstation windowing/viewpointing, exact image sizing, convenient bundling of attributes, segmentation capabilities, and cell arrays. Several productivity enhancements have been added to GK-2000 that go beyond the GKS standard and make it a working tool — extended error processing, pause function, and file name control.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Award-winning documentation and on-site and in-house training.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
DEC VAX	(L) VMS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM	(L) VM/MVS	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Other UNIX™ Systems	(L) UNIX™	N/S	<input type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

GRAPHICS CONNECTION

CALIFORNIA COMPUTER APPLICATIONS

P.O. Box 895

Cardiff, CA 92007-0816

(619) 944-9283

Suggested Retail Price \$135

(U.S. List)

Graphics Connection is a software library which the HP Touchscreen PC programmer can use to produce custom graphics. The library contains over 40 routines which are usable from several programming languages. These routines use the popular HP Series 80 and HP Series 200 graphics subroutine calling conventions. Application programs can be written without concern for the size or resolution of the graphics device. Programs that use the HP Touchscreen PC display screen will also work with any HP pen plotter. Graphics Connection can produce bar charts, labeled axes, and graphic text — in fact, virtually any type of graph.

The programmer must have one of the following languages: Series 100/BASIC, GW BASIC, Lattice C, Microsoft® C, or Optimizing C86.

Specify either the BASIC or C version when ordering.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

California Computer Applications provides telephone support and a User's Manual with examples.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Touchscreen PC (D)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

OTHER APPLICATIONS

GSS-DRIVERS

GSS

9590 Southwest Gemini Drive — P.O. Box 4900

Beaverton, OR 97005

(503) 641-2200

Suggested Retail Price \$200
(U.S. List)

GSS-Drivers allows application portability across CPUs and operating systems. This operating system graphics extension implements ANSI's proposed Virtual Device Interface (VDI) standard.

GSS-Drivers is supported on several GSS programs: GSS-Toolkit Kernel System, a high-level graphics development tool that increases programmer efficiency through ANSI and ISO Graphical Kernel System Specification level 2B; GSS-Toolkit Plotting System, a high-level subroutine library; GSS-Toolkit Metafile Interpreter, which facilitates use of stored, machine-readable graphic output; GSS-Terminal, which allows a microcomputer to emulate a Tektronix 4010 terminal; GSS-Grafstation, which allows a microcomputer to operate as a cost-effective, intelligent graphics application; GSS-Chart, an interactive, icon-driven presentation graphics applications; and GSS-Plottalk, a natural-language command-driven presentation graphics application.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
AT&T UNIX™ PC 7300 (L)	UNIX™ V	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Compaq (L)	MS™-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Fortune 32:16 (L)	Fori Pro	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM 3270 PC AT/G (L)	PC-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM AT (L)	PC-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Mindset PC (L)	MS™-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
NCR PC 4, 6, 8 (L)	MS™-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Sequent Balance 8000 (L)	UNIX™	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B
Zenith Z-100, Z-150 (L)	MS™-DOS	128K	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7586B

HP-GKS

HEWLETT-PACKARD/FORT COLLINS

1404 East Harmony Road

Fort Collins, CO 80525

(303) 226-3800

Suggested Retail Price \$1000-\$3000
(U.S. List)

HP-GKS is a high-performance 2D graphics library that is an absolute implementation of the ANSI/ISO Graphics Kernel System (GKS) standard with the Fortran binding definition.

HP-GKS will provide the same graphics functionality across the different graphics hardware subsystems giving applications developers a price/performance choice without requiring custom programming for each. Customers who have applications based on GKS for another vendor's system will be able to port easily to HP systems.

HP-GKS implements level 2B of the standard, providing device independent access to graphics workstations. A GKS workstation is a collection of physical devices that are mapped to the logical components of the workstation. The application deals only with the logical components of the workstation and is independent of the physical devices composing the workstation. The logical devices are a display, plus locator, choice, string, valuator, and pick input devices.

HP-GKS provides simple graphics primitives such as lines, polylines, polygons, text, markers, and polymarkers. It also provides single level segmentation. Synchronous and asynchronous input are also defined.

HP-GKS supports dynamic workstation configurability. This allows the application to define which logical display device and input devices will compose the set of graphics workstations. Then the user, at execution time, can further select which physical devices define the workstation that he wishes to access. An application can access more than one workstation.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	HP-UX	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 300 (D)	HP-UX	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
HP Series 500 (D)	HP-UX	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

OTHER APPLICATIONS

MACPLOT PROFESSIONAL

MICROSPOT/COMPSERVCO

800 Freedom Lane

Slidell, LA 70458

(504) 649-0484

Suggested Retail Price \$325
(U.S. List)

MacPlot is a program that allows graphics created in MacDraw, MacDraft, Microsoft® Chart, MacProject, Jazz, and many other programs to be plotted on a wide range of plotters. The professional version of the program is for plotters up to and including E-size. The plotter may be connected to the modem or printer port. MacPlot has two plotting modes. In the transparent mode, all parts of objects are plotted even if on the screen they are obscured by objects in front. In opaque mode (which requires a 512K Macintosh) only the top object is plotted in any overlapping area. MacPaint-type documents are plotted by bit image dump and only use one pen.

There are two text modes. Simple text uses the plotter's built-in text characters. Full text plots the actual Macintosh fonts and type styles but as a bit image dump. Variable pen speeds are selectable from within the program if the plotter being used supports them.

The picture being plotted may be scaled over a wide range of sizes from 12:1 to 1:32. MacPlot analyzes the picture (except any bit-mapped components) and lists all the different line types and fill patterns used and allows the user to assign specific pens. The pens can be different thicknesses or different colors. The lines may also be plotted dashed, the dashed length being variable.

MacPlot does not attempt to plot the fill patterns used in the original drawing, but allows the user to assign hatching patterns to them. The patterns are variable by angle, line spacing, and whether single or cross-hatched. To fill an area completely with color, the line spacing can be set to less than the pen width.

The parameters set for a particular drawing can be saved and used again for that drawing or for a similar drawing. The plot may be rotated 90 degrees if desired.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Macintosh (L)	N/S	512K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

MACPLOT STANDARD

MICROSPOT/COMPSEVCO

800 Freedom Lane
Slidell, LA 70458
(504) 649-0484

Suggested Retail Price \$162
(U.S. List)

MacPlot is a program that allows graphics created in MacDraw, MacDraft, Microsoft® Chart, MacProject, Jazz, and many other programs to be plotted on a wide range of plotters. The standard version of the program is for plotters up to and including B-size. The plotter may be connected to the modem or printer port. MacPlot has two plotting modes. In the transparent mode, all parts of objects are plotted even if on the screen they are obscured by objects in front. In opaque mode (which requires a 512K Macintosh) only the top object is plotted in any overlapping area. MacPaint-type documents are plotted by bit image dump and only use one pen.

There are two text modes. Simple text uses the plotter's built-in text characters. Full text plots the actual Macintosh fonts and type styles but as a bit image dump. Variable pen speeds are selectable from within the program if the plotter being used supports them.

The picture being plotted may be scaled over a wide range of sizes from 12:1 to 1:32. MacPlot analyzes the picture (except any bit-mapped components) and lists all the different line types and fill patterns used and allows the user to assign specific pens. The pens can be different thicknesses or different colors. The lines may also be plotted dashed, the dashed length being variable.

MacPlot does not attempt to plot the fill patterns used in the original drawing, but allows the user to assign hatching patterns to them. The patterns are variable by angle, line spacing, and whether single or cross-hatched. To fill an area completely with color, the line spacing can be set to less than the pen width.

The parameters set for a particular drawing can be saved and used again for that drawing or for a similar drawing. The plot may be rotated 90 degrees if desired.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Macintosh (L)	N/S	512K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7220 <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7221 <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

OTHER APPLICATIONS

MACPLOTS II

COMPUTER SHOPPE

615 Guilford-Jamestown Road — P.O. Box 18344
Greensboro, NC 27419
(919) 299-4843

Suggested Retail Price \$195-\$295
(U.S. List)

MacPlots II is a software package that allows high-resolution color plotting from an Apple Macintosh.

Designed with the drafting, engineering person in mind, MacPlots II can take a multi-page MacDraw document directly to the plotter for that continuous one-piece finished look.

Some of the features include document plotting from MacDraw files or from the Clipboard; graphics plotting from Microsoft® Chart or Jazz; variable line thickness; fast loading of files; type sizes up to 72 points; bold, italic, and underlined text; and alterable pen speed for transparencies.

Since MacPlots II can plot MacDraw files, you are not bound by the 32K limitation of the Clipboard. Depending on the plotter used, drawings may be as large as 36 in. × 96 in.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input checked="" type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)

Macintosh (L)

Operating System(s)

Macintosh

Memory Required

128K

HP Plotter(s) Supported

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> 7470A | <input checked="" type="checkbox"/> 7580B | <input checked="" type="checkbox"/> ColorPro |
| <input checked="" type="checkbox"/> 7475A | <input checked="" type="checkbox"/> 7585B | |
| <input checked="" type="checkbox"/> 7550A | <input checked="" type="checkbox"/> 7586B | |

MICROSOFT® WINDOWS

MICROSOFT CORPORATION
 6011 Northeast 36th Way — P.O. Box 97017
 Redmond, WA 98073-9717
 (206) 882-8089

Suggested Retail Price \$99
 (U.S. List)

Microsoft® Windows gives you a practical way to integrate programs. It radically decreases the time it takes to move from one application to another, and dramatically simplifies the means of consolidating data from many different programs. And as a graphical extension of MS™-DOS, it gives you a highly visual way to work and organize your work.

In short, Windows brings efficiency to all those processes of personal computing which have until now been awkward, unwieldy, and inconvenient. Finally, Windows is not only an immensely powerful tool for today, it's also a solid base for a new generation of window applications.

In applications designed for Windows, you have a common interface which includes drop-down menus, dialog boxes, and icons, along with a richer environment that allows you to mix pictures and text, and to summon different type faces and styles with a keystroke.

Windows is a bridge between today's applications and the graphics based software now evolving. A way to work interchangeably with today's programs. And tomorrow's.

If you're someone who uses personal computing as a natural part of your work life, who capitalizes on the productive powers of sophisticated applications, look into Windows, a new vision of what a computer can do.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Telephone consulting and mail-in support is provided at no charge. Remote dial-in is available for an annual fee.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Regularly scheduled software development seminars are held monthly at the Bellevue headquarters.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Compaq Deskpro	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Deskpro 286	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Portable	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Compaq Portable 286	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT	(L) MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

OTHER APPLICATIONS

NOVA*GKS

NOVA GRAPHICS INTERNATIONAL
1015 Bee Cave Woods
Austin, TX 78746
(512) 327-9300

Suggested Retail Price Available on Request
(U.S. List)

NOVA*GKS is a mature and complete implementation of the international graphics standard, Graphical Kernel System (GKS). NOVA*GKS is available in Fortran and C languages on a wide variety of computers and operating systems ranging from large mainframes down to microprocessors and workstations.

The distributed architecture of NOVA*GKS allows the system to be easily optimized for various computing environments. The user enjoys a common base system for reliability with changes in specific levels to optimize performance.

NOVA*GKS provides a device-independent graphics interface, therefore, application programs can be developed quickly using the high level of graphics functionality defined by the GKS interface and have that functionality translated into graphic hardware commands.

Nova Graphics International provides documentation manuals and complete customer support services, including training, twice yearly maintenance updates, hot-line service, installation, and consulting for NOVA*GKS.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Introduction to GKS — 1½ days. GKS programmer training — 2½ days. NOVA*GKS maintenance training — 1½ days.

PRODUCT INFORMATION

Computer Model(s)		Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT, FORTRAN	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT, FORTRAN	(L)	MS™-DOS	512K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM AT, "C"	(L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT, "C"	(L)	MS™-DOS	256K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

PLOT88

PLOTWORKS, INC.
P.O. Box 12385
La Jolla, CA 92037-0635
(619) 457-5090

Suggested Retail Price \$250
(U.S. List)

PLOT88 constructs high-resolution drawings using any current model HP plotter. This library of subroutines has been optimized for the IBM PC and fully supports the INTEL 8087 or 80287 coprocessor for maximum throughput.

PLOT88 gives you the tools to construct your own charts, graphs, and contour maps, fully annotated with text drawn in one or more of seven type styles, at varying height and at any angle.

It runs under MS™-FORTRAN or IBM Professional FORTRAN, and the package is compatible with the industry standard. It includes AXIS, FACTOR, LINE, NEWPEN, NUMBER, PLOT, PLOTS, SCALE, SYMBOL, and WHERE. In addition, PLOT88 contains a fully integrated set of subroutines to generate contour maps and 3D mesh surfaces. Contour maps can be drawn with complete control of the contour interval, line thickness and color, and level annotation. Mesh surfaces can be viewed from any angle and can be annotated. Log axis functions are also supported.

By defining the corners of a "window", PLOT88 allows you to produce your own drawing either in its entirety or divided into specified sections. The largest size of a printer section is 50 inches by 50 inches. Larger drawings can be made by combining windowing with PLOT88's automatic printer stripping. Depending on the plotter model, A- to E-size drawings can be made.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Free telephone support for 30 days from purchase.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	256K	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

OTHER APPLICATIONS

PLOTS II

COMPUTER SHOPPE

615 Guilford-Jamestown Road — P.O. Box 18344

Greensboro, NC 27419

(919) 299-4843

Suggested Retail Price \$295-\$495
(U.S. List)

Plots II is a companion product for LisaDraw. Drawings created in LisaDraw, in fact, virtually anything that can be pasted into LisaDraw, are then saved and put away. Opening Plots II allows you to choose "Portrait or Landscape," "Reduce, Enlarge or Normal," and pen speed . . . and then plot.

Plots II brings the benefits of a high-performance CAD system within the range of even the smallest drawing or CAD office.

Depending upon the plotter being used, drawings can be up to 36 in. × 96 in. A large drawing can be reduced when output without affecting the size of your drawing file.

Plots II produces continuous one-piece drawings from a multi-page document, ignoring page breaks. No need for pasting together for blueprint work.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input checked="" type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Macintosh XL (L)	Lisa 7/7	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B
Lisa (L)	Lisa 7/7	1MB	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input checked="" type="checkbox"/> 7586B

PLOTSTART

SOFTSTYLE, INC.

192 Kalaniana'ole Highway — Suite 205

Honolulu, HI 96825

(808) 396-6368

Suggested Retail Price \$95

(U.S. List)

Plotstart is plotter driver software that allows the Macintosh to do high-quality color plotting directly from drawing, drafting, and charting applications. It is easily installed on application disks, letting you plot, in addition to print, from within applications like MacDraw, MacProject, Microsoft® Chart, and Jazz. With Plotstart software installed, you will be plotting from your applications just as easily as you can print from them. If desired, you can tailor how Plotstart automatically assigns the plotter's pens, fonts, lines, fills, and patterns. Plotstart supports paper or transparency plotting and printer or modem port connection. No special hardware is needed. The package includes a cable.

All you do is use the Plotstart program to quickly install the plotter driver software on your application disks. Once you use Plotstart on an application disk, the disk never needs to be changed. From then on, applications on that disk will work with your plotter when you select it using the standard Macintosh "Choose Printer" accessory. Plotstart is completely compatible with all drawing, drafting, and charting applications that use standard Macintosh shape printing routines. While using such applications, you won't even know Plotstart is there.

Before plotting, a simple dialog box can be used to tailor your plots. It lets you specify which Macintosh line or fill patterns in your application are to be assigned to which plotter pens and fill patterns. Similarly, you can specify which Macintosh fonts will be assigned to which plotter fonts. Thus, by just using the normal lines, patterns, and fonts in your application, you are able to create full-color, high-quality presentations on your plotter.

To use Plotstart with an HP ColorPro plotter, users must have the ColorPro Graphics Enhancement Cartridge.

VENDOR SUPPORT INFORMATION

- | | |
|---|---|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input checked="" type="checkbox"/> Mail-in Support | <input type="checkbox"/> Program Modification |

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Macintosh (L)	Finder	128K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> ColorPro <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

OTHER APPLICATIONS

PRINT SERVER

NESTAR SYSTEMS, INC.
2585 East Bayshore Road
Palo Alto, CA 94303
(415) 493-2223

Suggested Retail Price Available on Request

Nestar Plan Series Networks can now be used to provide shared plotting facilities. Graphics from PC-based packages can automatically be spooled onto the disk storage of a file server, and then sent to plotters as they are available.

Using the HP 7550A is particularly effective, as you can take advantage of the sheet feed capability. Nestar's Print Server software will automatically insert page eject codes between users' output. Priorities can be specified, along with a selection of a generic or specific output plotter.

Nestar's Print Server software is deliverable in three hardware environments: an IBM PC, an expansion feature with Nestar File Servers, or in a standalone Network Server (Plan 1000) which supports two parallel and one serial device simultaneously.

The product has been tested with a variety of PC-based packages which generate plotter graphics. Written instructions for configuring SuperCalc³ Release 2 and the Print Server are available.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Support Comment

Numerous regional offices throughout the U.S.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM PC (L)	NC I	256K	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Nestar Plan 1000 (L)	N/S	N/S	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Nestar PSFC (L)	N/S	N/S	<input type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

SAS/RTERM

SAS INSTITUTE, INC.
SAS Circle — Box 8000
Cary, NC 27511-8000
(919) 467-8000

Suggested Retail Price \$1500
(U.S. List)

SAS/RTERM software is a remote communications product that emulate Digital Equipment Corporation's VT100 terminal and the graphics commands of the Tektronix 4100 series. The software includes capabilities for hardcopy spooling. Version 5 SAS/GRAPH software for information and presentation graphics includes a device driver to give SAS software users access to SAS/RTERM capabilities.

SAS/RTERM software connects to a host through ASCII asynchronous support. A color monitor and color/graphics adapter are necessary for graphics preview capabilities. The software supports 9600 BAUD and X-ON/X-OFF or CTS-RTS protocols.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

Support Comment

Technical support available free of charge.

VENDOR TRAINING INFORMATION

- Seminar
- On-Site
- Course(s)
- Training Center
- Workshop
- Contracted Site

Training Comment

Instructor-based, video-based, and computer-based training available.

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	MS™-DOS	256K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

STARBASE GRAPHICS LIBRARY

HEWLETT-PACKARD/FORT COLLINS
 3404 East Harmony Road
 Fort Collins, CO 80525
 (303) 226-3800

Bundled with HP-UX

Starbase is a high-performance 2D and 3D graphics library for the HP 9000 family. Starbase, which is included with HP-UX, is an extension of the ANSI Virtual Device Computer Graphics Interface (VD-CGI) standard currently under development. The intent of this standard is to provide a common interface to graphics devices for the industry.

Starbase provides the same graphics functionality across different HP 9000 graphics hardware subsystems. An application may be written with 98700H as the display subsystem. If an optional graphics accelerator (HP 98710) is added later, no changes or recompilation need take place — the same application is invoked with the appropriate driver. Applications based on DGL graphics are supported for new peripherals through a DGL driver for Starbase.

Starbase provides procedures to perform basic graphics operations. The output operations include lines, markers, text and polygons. Control functions, inquiry functions and echoing are also supported. Functionality is provided at different levels ranging from accessing individual pixels in a frame buffer to drawing in a 3D perspective.

In addition to the basic graphics operations this virtual graphics device is capable of applying 2D and 3D transformations to output primitives, generating high-quality text, filled and hatched polygons, and providing synchronous and asynchronous input to the application. The library also provides inquiries of the device state and capabilities.

Features include high performance; device independence; asynchronous input and tracking capabilities; multiple input and output devices supported simultaneously; partitioned so programs contain only the library segments they reference, for efficient memory usage; device dependent interface available for maximum performance; and 2D and 3D matrix stack based transformations to take full advantage of optional hardware graphics accelerator.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
HP Series 200 (D)	HP-UX	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ ColorPro ■ 7475A ■ 7585B ■ 7550A ■ 7586B
HP Series 300 (D)	HP-UX	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ ColorPro ■ 7475A ■ 7585B ■ 7550A ■ 7586B
HP Series 500 (D)	HP-UX	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7580B ■ ColorPro ■ 7475A ■ 7585B ■ 7550A ■ 7586B

TEKMAR GRAPHICS LIBRARY

ADVANCED SYSTEMS CONSULTANTS
18653 Ventura Boulevard — Suite 351
Tarzana, CA 91356
(818) 990-4942

Suggested Retail Price \$195
(U.S. List)

The TEKMAR Graphics Library is a set of Fortran and Assembly-language routines for performing vector graphics on an IBM PC equipped with a Tecmar Graphics Master color card. Users may develop their own graphics applications through calls to high-level library routines such as WINDOW, VIEWPORT, MOVE, DRAW, FILL, etc. Plotter support is provided. Graphics may be saved to disk, dumped to a printer, or recalled from disk.

In addition to the library routines, several curve-fitting application programs are provided for fitting data to polynomials, hyperbolics, exponentials, power functions, splines, etc. A complete technical plotting program is provided in both source and executable form. This program can plot the output of any of the curve-fitting programs. A contour tracing application is also provided.

Thus, even though the user can develop his own unique applications using library calls, programming is not necessary to derive benefit from TEKMAR. The plotting program, CARPET, provides linear and log axes, multiple scales, text annotation of plots, and automatic scaling. CARPET is fully menu-driven through extensive use of the PC's function keys.

A demo disk is available upon request.

TEKMAR supports both color and monochrome screens, with maximum resolution of 640 × 400 in 16-color mode, and 720 × 704 in monochrome. TEKMAR is not copy-protected. The software is supplied on seven double-sided floppy disks and is complete with a 300-page manual.

TEKMAR requires the Tecmar Graphics Master board. An 8087 math chip is highly recommended. A hard disk is recommended, especially for those intending to develop their own applications. TEKMAR presently supports Microsoft® Fortran version 3.3 or Lahey Computer Systems F77L compiler.

VENDOR SUPPORT INFORMATION

- | | |
|---|--|
| <input checked="" type="checkbox"/> Phone-in Consulting | <input type="checkbox"/> On-Site System Engineers |
| <input type="checkbox"/> On-Site Consulting | <input type="checkbox"/> Remote Dial-in |
| <input checked="" type="checkbox"/> Mail-in Support | <input checked="" type="checkbox"/> Program Modification |

Support Comment

Updates free for first year.

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
IBM AT (L)	PC-DOS	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM PC/XT (L)	PC-DOS	384K	<input checked="" type="checkbox"/> 7470A <input type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input type="checkbox"/> 7585B <input type="checkbox"/> 7550A <input type="checkbox"/> 7586B

TEMPLATE

TEMPLATE, SOFTWARE DIVISION OF MEGATEK CORPORATION
 9605 Scranton Road
 San Diego, CA 92121
 (619) 455-5590

Suggested Retail Price \$6000-\$32,000
 (U.S. List)

TEMPLATE is a comprehensive computer independent and device intelligent graphics subroutine library. TEMPLATE executes on any 32-bit or larger computer and consists of a powerful library with over 200 mnemonic routines written in FORTRAN.

TEMPLATE supports 2D and 3D, batch or interactive applications within the engineering and scientific industries. The package accommodates graphics input via logical devices such as keyboards, locators, digitizers, buttons, valuator, and picks which can be mapped at run time to the most appropriate physical device. Furthermore, TEMPLATE supports a wide range of graphic devices including plotters, dumb terminals, raster, and vector refresh devices.

TEMPLATE provides full 3D capability including a 3D viewing and modeling system which allows the user to define and work in the coordinate system most convenient for his problem as well as 3D segmentation; zoom and pan; display list subroutines using the hardware display list if the system has one or simulating the operations in software if it does not; and process metafiles, including capturing current screen contents or selected segments in a metafile and producing a copy on any other device. TEMPLATE also has total color support and high-level routines for contour plots, surface plots, and charting routines.

TEMPLATE's available options are the TEMPLATE Workstation Model which supports a maximum of sixteen logical workstations, with a maximum of four open workstations at a time.

VENDOR SUPPORT INFORMATION

- Phone-in Consulting
- On-Site Consulting
- Mail-in Support
- On-Site System Engineers
- Remote Dial-in
- Program Modification

VENDOR TRAINING INFORMATION

Information Not Available

PRODUCT INFORMATION

Computer Model(s)	Operating System(s)	Memory Required	HP Plotter(s) Supported
Apollo (L)	AEGIS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
CDC (L)	SCOPE	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
CDC (L)	NOS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
CDC (L)	APEX	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
CRAY (L)	COS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
Data General MV (L)	AOS/VS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
DEC 10 (L)	TOPS 10	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
DEC VAX (L)	VMS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
Harris (L)	VDS	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B
HP 9000 (L)	HP-UX	N/S	<ul style="list-style-type: none"> ■ 7470A ■ 7475A ■ 7550A ■ 7580B ■ 7585B ■ 7586B

TEMPLATE (continued)

		PRODUCT INFORMATION		HP Plotter(s) Supported
Computer Model(s)		Operating System(s)	Memory Required	
IBM	(L)	VM/CMS	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
IBM	(L)	MVS/TSO	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Perkin Elmer	(L)	OS32	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Prime	(L)	Primos	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B
Sperry UNIVAC	(L)	EXEC-8	N/S	<input checked="" type="checkbox"/> 7470A <input checked="" type="checkbox"/> 7580B <input checked="" type="checkbox"/> 7475A <input checked="" type="checkbox"/> 7585B <input checked="" type="checkbox"/> 7550A <input type="checkbox"/> 7586B

OTHER APPLICATIONS

You May Also Want to Look at . . .

Many software packages listed in this book are appropriate for several applications. The packages listed below appear in other sections of the directory, but they may be appropriate for your needs.

Package	Supplier	Page
GRAF/3000	Computer Resources, Inc.	2-26
Presentation Graphics	Arens Applied Electromagnetics	2-50

Company/Package Index

Supplier	Package	Page
ACX Software	ACX VM Printer Manager	11-3
Advanced Graphics Software, Inc.	SlideWrite	3-13
Advanced Systems Consultants	TEKMAR Graphics Library	11-25
American Channels, Inc.	AC/DIAD	9-4
Analytical Software, Inc.	Boardroom Graphics	2-6
Arens Applied Electromagnetics, Inc.	Presentation Graphics	2-50
Ashton-Tate	Framework II	1-11
Auto-trol Technology Corp.	Advanced Graphics Software	9-5
Autodesk, Inc.	AE/CADD	8-3
	AutoCAD	9-8
Banyan Systems	Banyan Network Server	11-4
BPI	Aura	1-7
Business & Professional Software, Inc.	BPS Business Graphics	2-7
California Computer Applications	Graphics Connection	11-11
Cascade Graphics	Cascade I	9-12
	Cascade VII	9-13
	Cascade X	9-14
Chang Laboratories, Inc.	GraphPlan	1-12
Civilsoft	COGO-80/86	10-5
	COGO-PC	10-6
	CONTOUR	5-5
	EARTHWK	10-8
Collins & Associates	CPERT	4-3
	LC DATA	4-5
	PLOT IT	10-17
Computer Associates Int'l, Inc.	SuperCalc ³	1-16
Computer Mathware	MAPWARE	5-9
Computer Resources, Inc.	GRAF/3000	2-26
Computer Shoppe	MacPlots II	11-16
	Plots II	11-20
Computer Support Corp.	Diagraph	3-4
	Picture Perfect	2-48
CompuVision Int'l	Giraph Buisness Graphics	2-25
Context Management Systems	Context MBA	1-8
Cortex Corp.	Corgraph	2-11
	Executive Data Display System	2-18
Data Business Vision, Inc.	GDSS	2-23
	GRAFFHOPPER	2-27
DataGraphic Systems, Inc.	CAD MASTER 2000	9-11
Data Processing Design, Inc.	Graphics-11	2-30
	IB GRAPH	2-34
Decision Graphics, Inc.	The DGI ORGANIZATION	2-57
	THE DGI SIGNMAKER	3-15
	THE DGI TYPE SHOP	3-16
Decision Resources, Inc.	Chart-Master	2-9
	Diagram-Master	3-3
	Map-Master	5-8
	Sign-Master	3-12
Dialogue, Inc.	ANALECT DSS Graphics	2-4
Digital Research, Inc.	GEM Draw	2-24
EEsof, Inc.	MiCAD	9-35
	Touchstone	9-42
Enertronics Research, Inc.	EnerChart	2-17

Company/Package Index (Continued)

Supplier	Package	Page	
Enertronics Research, Inc. (Continued)	EnerConnect Program 1	11-6	
	EnerConnect Program 2	11-7	
Ferox Microsystems, Inc.	EnerGraphics 1.3	9-21	
	ENCORE!	1-10	
Foresight Resources Corp.	Drafix II	9-20	
FTG Data Systems	EMU-TEK (Level 2/Level 3)	11-8	
Futurenet Corp.	D-PLOT HP	9-19	
Ganesa Group Int'l	PBG System	2-44	
	STATMAP	5-12	
GEOCOMP Corp.	GEOCONTOUR	10-14	
	GEOGRAF	11-9	
Geoglobal Systems, Inc.	GEOPLOT	5-6	
Graphic M*I*S, Inc.	FINGRAPH II	2-20	
Graphics Communications, Inc.	Freelance	2-21	
	Graphwriter	2-31	
GSS	GSS-Drivers	11-12	
H.E.A.D. Consulting, Inc.	"WHAT IF . . .?"	4-12	
Hewlett-Packard Company	Charting Gallery	2-8	
	Data Grapher 200	2-12	
	Drawing Gallery	3-6	
	DSG/250	2-15	
	DSG/3000	2-16	
	Gallery Collection	2-22	
	Graphics 1000-II	9-24	
	Graphics 9000	9-25	
	Graphics Editor	3-7	
	HPDRAW	3-9	
	HPEASYCHART	2-33	
	HP EGS	9-29	
	HP-GKS	11-13	
	HPMap	5-7	
	HP Project Management	4-4	
	HP Spice	9-30	
	Logic DesignStation	9-32	
	Series 80 Graphics Presentations Pac	2-52	
	Series 200 Graphics Presentations	2-53	
	Slide 250	2-54	
	Starbase Graphics Library	11-24	
	TextCharts	3-14	
	High Tech Marketing, Inc.	High Tech Business Graphics	2-32
		Automated Drafting System	10-4
	Holguin Corp.	Contour Plotting System	10-7
		CEADS-CAD 2000	9-16
		CEADS-MACRO	9-15
		Earthwork/Mass Diagram System	10-10
		Earthwork (Survot)	10-9
		Geometric Design System	10-15
		Holguin CAD	9-28
		Master Design System	10-16
		"Super" MicroCAD	8-4
PC Presents!		3-10	
4-Point Graphics		2-3	
Excelerator		9-23	
Imagimedia Technologies, Inc.			
Imedia Corp.			
IMSI			
Index Technology Corp.			

Company/Package Index (Continued)

Supplier	Package	Page
Information Builders, Inc.	PC/Focus	1-14
Innovative Software, Inc.	Smart Software System	1-15
Interactive Microware, Inc.	Scientific Plotter-PC+	7-4
ISSCO	DISSPLA	2-14
	TELL-A-GRAF	2-56
Jandel Scientific	Scientific Plotting Program	7-5
Land Innovation, Inc.	Site Comp II V.4	10-18
Lotus Development Corp.	1-2-3, Release 1A	1-3
	1-2-3, Release 2	1-5
	Symphony, Release 1.0	1-17
	Symphony, Release 1.1	1-19
Macmillan Software Company	ASYST	7-3
Maersk Data, Inc.	MD-PLOT	2-39
Management Graphics, Inc.	PC-Slide	2-45
Manufacturing & Consulting Services, Inc.	ANVIL-1000MD	9-6
	ANVIL-4000	9-7
	Euclid	9-22
Matra Datavision, Inc.	Design Board 3D	9-17
MEGA CADD, Inc.	Design Board Professional	9-18
	Plot-It	2-49
Mesa Graphics	CADKEY	9-10
Micro Control Systems, Inc.	OMNILOT	2-43
Microcompatibles	IN*A*VISION	9-31
Micrografx, Inc.	PC-Draw	9-38
	Chartstar	2-10
MicroPro Int'l	Microsoft Chart, Version 2	2-41
Microsoft Corp.	Microsoft Windows	11-17
	MacPlot Professional	11-14
Microspot/Compservco	MacPlot Standard	11-15
	ACSL	10-3
Mitchell & Gauthier Assoc., Inc.	VUE	4-11
National Information Systems, Inc.	MAXpc	5-10
National Planning Data Corp.	POINTE	9-39
NEOTEK Software, Inc.	Print Server	11-22
Nestar Systems, Inc.	NOVA*GKS	11-18
Nova Graphics Int'l	ESP-200 Volume 1: COGO-200	10-11
PacSoft, Inc.	ESP-200 Volume 2: PacDraft-200	10-12
	ESP-200 Volume 3: Earthwork/Roads	10-13
	TOPOGRAPHY — Digital Terrain Modeling	5-13
Palette Systems, Inc.	PALETTE	9-37
PC Software	Executive Picture Show	2-19
Planning Data Systems	MultiMap	5-11
PLOTWORKS, Inc.	PLOT88	11-19
Precision Visuals, Inc.	Contouring System	11-5
	DI-3000	2-13
	DI-TEXTPRO	3-5
	GK-2000	11-10
	GRAFMAKER	2-28
	PicSure	2-47
Primavera Systems, Inc.	Primavision	4-8
Primesoft Corp.	Prime Plotter HP Plotter Interface	6-6
R & L Software	Data Evaluation Program	6-4
	Data Evaluation System	6-5

Company/Package Index (Continued)

Supplier	Package	Page
RDS Systems, Inc.	GRFX1 — The Fonts Systems	3-8
Redding Group, Inc.	GrafTalk	2-29
Responsive Logic	Graphics Instruction Device	9-26
	Graphics Instruction Device w/Tablet	9-27
Robo Systems Corp.	RoboCAD-PC	9-40
SAS Institute, Inc.	SAS/GRAPH	2-51
	SAS/RTERM	11-23
SCITOR Corp.	Project Scheduler 5000 Plus Graphics	4-9
	Project Scheduler Network	4-10
Sinclair Optics, Inc.	OSLO, SuperOslo	9-36
Softkey Software Products, Inc.	KeyChart	2-37
SofTrak Systems	PlotTrak	4-7
SoftStyle, Inc.	Plotstart	11-21
Software Consulting Group	Control Charts	6-3
	Super Plotter	7-6
Software Products Int'l	Access Four	1-6
	Open Access	1-13
Software Publishing Corp.	PFS:GRAPH	2-46
SPSS, Inc.	SPSS Graphics	2-55
Strategic Locations Planning	Atlas	5-3
	Atlas AMP	5-4
T & W Systems, Inc.	VersaCAD	9-43
Template, Software Division of Megatek	Template	11-26
Tensegrity, Inc.	CADD/22-300	9-9
The Software Group	ENABLE	1-9
THORN EMI Computer Software, Inc.	Intelligraph	2-35
	Intelligraph Plus	2-36
Timeware Corp.	SHOWTEXT	3-11
Universal Intergraphics Corp.	3-D GRAPHIXX	9-3
VAMP, Inc.	McCAD EDSC	9-33
	McCAD PCB	9-34
Viewlogic Systems, Inc.	Workview Series	9-44
Westminster Software	PerPlotter	4-6
Wintek Corp.	smARTWORK	9-41
Zenographics, Inc.	Autumn	2-5
	Mirage	2-42

Package/Company Index

Package	Supplier	Page
1-2-3, Release 1A	Lotus Development Corp.	1-3
1-2-3, Release 2	Lotus Development Corp.	1-5
3-D GRAPHIXX	Universal Intergraphics Corp.	9-3
4-Point Graphics	IMSI	2-3
Access Four	Software Products Int'l	1-6
AC/DIAD	American Channels, Inc.	9-4
ACSL	Mitchell & Gauthier Assoc., Inc.	10-3
ACX VM Printer Manager	ACX Software	11-3
Advanced Graphics Software	Auto-trol Technology Corp.	9-5
AE/CADD	Autodesk, Inc.	8-3
ANALECT DSS Graphics	Dialogue, Inc.	2-4
ANVIL-1000MD	Manufacturing & Consulting Services, Inc.	9-6
ANVIL-4000	Manufacturing & Consulting Services, Inc.	9-7
ASYST	Macmillan Software Company	7-3
Atlas	Strategic Locations Planning	5-3
Atlas AMP	Strategic Locations Planning	5-4
Aura	BPI	1-7
AutoCAD	Autodesk, Inc.	9-8
Automated Drafting System	Holguin Corp.	10-4
Autumn	Zenographics, Inc.	2-5
Banyan Network Server	Banyan Systems	11-4
Boardroom Graphics	Analytical Software, Inc.	2-6
BPS Business Graphics	Business & Professional Software, Inc.	2-7
CADD/200-300	Tensegrity, Inc.	9-9
CADKEY	Micro Control Systems, Inc.	9-10
CAD MASTER 2000	DataGraphic Systems, Inc.	9-11
Cascade I	Cascade Graphics	9-12
Cascade VII	Cascade Graphics	9-13
Cascade X	Cascade Graphics	9-14
CEADS-MACRO	Holguin Corp.	9-15
CEADS-CAD 2000	Holguin Corp.	9-16
Charting Gallery	Hewlett-Packard Company	2-8
Chart-Master	Decision Resources, Inc.	2-9
Chartstar	MicroPro Int'l	2-10
COGO-80/86	Civilsoft	10-5
COGO-PC	Civilsoft	10-6
Context MBA	Context Management Systems	1-8
CONTOUR	Civilsoft	5-5
Contour Plotting System	Holguin Corp.	10-7
Contouring System	Precision Visuals, Inc.	11-5
Control Charts	Software Consulting Group	6-3
Corgraph	Cortex Corp.	2-11
CPERT	Collins & Associates	4-3
Data Evaluation Program	R&L Software	6-4
Data Evaluation System	R&L Software	6-5
Data Grapher 200	Hewlett-Packard Company	2-12
Design Board 3D	MEGA CADD, Inc.	9-17
Design Board Professional	MEGA CADD, Inc.	9-18
DI-3000	Precision Visuals, Inc.	2-13
Diagraph	Computer Support Corp.	3-4
Diagram-Master	Decision Resources, Inc.	3-3
DISSPLA	ISSCO	2-14
DI-TEXTPRO	Precision Visuals, Inc.	3-5

Package/Company Index (Continued)

Package	Supplier	Page
D-PLOT HP	Futurenet Corp.	9-19
Drafix II	Foresight Resources Corp.	9-20
Drawing Gallery	Hewlett-Packard Company	3-6
DSG/250	Hewlett-Packard Company	2-15
DSG/3000	Hewlett-Packard Company	2-16
EARTHWK	Civilsoft	10-8
Earthwork/Mass Diagram System	Holguin Corp.	10-10
Earthwork (Survot)	Holguin Corp.	10-9
EMU-TEK (Level 2/Level 3)	FTG Data Systems	11-8
ENABLE	The Software Group	1-9
ENCORE!	Ferox Microsystems, Inc.	1-10
EnerChart	Enertronics Research, Inc.	2-17
EnerConnect Program 1	Enertronics Research, Inc.	11-6
EnerConnect Program 2	Enertronics Research, Inc.	11-7
EnerGraphics 1.3	Enertronics Research, Inc.	9-21
ESP-200 Volume 1: COGO-200	PacSoft Inc.	10-11
ESP-200 Volume 2: PacDraft-200	PacSoft Inc.	10-12
ESP-200 Volume 3: Earthwork/Roads	PacSoft Inc.	10-13
Euclid	Matra Datavision, Inc.	9-22
Excelerator	Index Technology Corp.	9-23
Executive Data Display System	Cortex Corp.	2-18
Executive Picture Show	PC Software	2-19
FINGRAPH II	Graphic M*I*S, Inc.	2-20
Framework II	Ashton-Tate	1-11
Freelance	Graphics Communications, Inc.	2-21
Gallery Collection	Hewlett-Packard Company	2-22
GDSS	Data Business Vision, Inc.	2-23
GEM Draw	Digital Research, Inc.	2-24
GEOCONTOUR	GEOCOMP Corp.	10-14
GEOGRAF	GEOCOMP Corp.	11-9
Geometric Design System	Holguin Corp.	10-15
GEOPLOT	Geoglobal Systems, Inc.	5-6
GK-2000	Precision Visuals, Inc.	11-10
Giraph Business Graphics	CompuVision Int'l	2-25
GRAF/3000	Computer Resources, Inc.	2-26
GRAFFHOPPER	Data Business Vision, Inc.	2-27
GRAFMAKER	Precision Visuals, Inc.	2-28
GrafTalk	Redding Group, Inc.	2-29
GRAPHICS-11	Data Processing Design, Inc.	2-30
Graphics 1000-II	Hewlett-Packard Company	9-24
Graphics 9000	Hewlett-Packard Company	9-25
Graphics Connection	California Computer Applications	11-11
Graphics Editor/200	Hewlett-Packard Company	3-7
Graphics Instruction Device	Responsive Logic	9-26
Graphics Instruction Device w/Tablet	Responsive Logic	9-27
GraphPlan	Chang Laboratories, Inc.	1-12
Graphwriter	Graphic Communications, Inc.	2-31
GRFX1 — The Fonts Systems	RDS Systems, Inc.	3-8
GSS-Drivers	GSS	11-12
High Tech Business Graphics	High Tech Marketing, Inc.	2-32
Holguin CAD	Holguin Corp.	9-28
HPDRAW	Hewlett-Packard Company	3-9
HPEASYCHART	Hewlett-Packard Company	2-33

Package/Company Index (Continued)

Package	Supplier	Page
HP EGS	Hewlett-Packard Company	9-29
HP-GKS	Hewlett-Packard Company	11-13
HPMap	Hewlett-Packard Company	5-7
HP Project Management	Hewlett-Packard Company	4-4
HP Spice	Hewlett-Packard Company	9-30
HP Statistics Library	Hewlett-Packard Company	6-6
IB GRAPH	Data Processing Design, Inc.	2-34
IN*A*VISION	Micrografx, Inc.	9-31
Intelligraph	THORN EMI Computer Software, Inc.	2-35
Intelligraph Plus	THORN EMI Computer Software, Inc.	2-36
KeyChart	Softkey Software Products, Inc.	2-37
LC DATA	Collins & Associates	4-5
Logic DesignStation	Hewlett-Packard Company	9-32
MacPlot Professional	Microspot	11-14
MacPlot Standard	Microspot	11-15
MacPlots II	Computer Shoppe	11-16
Map-Master	Decision Resources, Inc.	5-8
MAPWARE	Computer Mathware	5-9
Master Design System	Holguin Corp.	10-16
MAXpc	National Planning Data Corp.	5-10
McCAD EDSC	VAMP, Inc.	9-33
McCAD PCB	VAMP, Inc.	9-34
MD-PLOT	Maersk Data, Inc.	2-39
Metafile	Precision Visuals, Inc.	2-40
MiCAD	EEsof, Inc.	9-35
Microsoft Chart, Version 2	Microsoft Corp.	2-41
Microsoft Windows	Microsoft Corp.	11-17
Mirage	Zenographics, Inc.	2-42
MultiMap	Planning Data Systems	5-11
NOVA*GKS	Nova Graphics Int'l	11-18
OMNI PLOT	Microcompatibles	2-43
Open Access	Software Products Int'l	1-13
OSLO, Super-Oslo	Sinclair Optics, Inc.	9-36
PALETTE	Palette Systems, Inc.	9-37
PBG System	Ganesa Group Int'l	2-44
PC-Draw	Micrografx, Inc.	9-38
PC/FOCUS	Information Builders, Inc.	1-14
PC Presents!	Imedia Corp.	3-10
PC-Slide	Management Graphics, Inc.	2-45
PertPlotter	Westminster Software	4-6
PFS:GRAPH	Software Publishing Corp.	2-46
PicSure	Precision Visuals, Inc.	2-47
Picture Perfect	Computer Support Corp.	2-48
PLOT88	PLOTWORKS, Inc.	11-19
PLOT IT	Collins & Associates	10-17
Plot-It	Mesa Graphics	2-49
Plots II	Computer Shoppe	11-20
Plotstart	SoftStyle, Inc.	11-21
PlotTrak	SoftTrak Systems	4-7
POINTE.	NEOTEK Software, Inc.	9-39
Presentation Graphics	Arens Applied Electromagnetics, Inc.	2-50
Primavision	Primavera Systems, Inc.	4-8
Prime Plotter HP Plotter Interface	Primesoft Corp.	6-7

Package/Company Index (Continued)

Package	Supplier	Page
Print Server	Nestar Systems, Inc.	11-22
Project Scheduler 5000 Plus Graphics	SCITOR Corp.	4-9
Project Scheduler Network	SCITOR Corp.	4-10
RoboCAD-PC	Robo Systems Corp.	9-40
SAS/GRAPH	SAS Institute, Inc.	2-51
SAS/RTERM	SAS Institute, Inc.	11-23
Site Comp II V.4	Land Innovation Inc.	10-18
Scientific Plotter-PC+	Interactive Microware, Inc.	7-4
Scientific Plotting Program	Jandel Scientific	7-5
Series 80 Graphics Presentations Pac	Hewlett-Packard Company	2-52
Series 200 Graphics Presentations	Hewlett-Packard Company	2-53
SHOWTEXT	Timeware Corp.	3-11
Sign-Master	Decision Resources, Inc.	3-12
Slide 250	Hewlett-Packard Company	2-54
SlideWrite	Advanced Graphics Software, Inc.	3-13
Smart Software System	Innovative Software, Inc.	1-15
smARTWORK	Wintek Corp.	9-41
SPSS Graphics	SPSS, Inc.	2-55
Starbase Graphics Library	Hewlett-Packard Company	11-24
STATMAP	Ganesa Group Int'l	5-12
SuperCalc ³	Computer Associates	1-16
"Super" MicroCAD	Imagimedia Technologies, Inc.	8-4
Super Plotter	Software Consulting Group	7-6
Symphony, Release 1.0	Lotus Development Corp.	1-17
Symphony, Release 1.1	Lotus Development Corp.	1-19
TEKMAR Graphics Library	Advanced Systems Consultants	11-25
TELL-A-GRAF	ISSCO	2-56
Template	Template, Software Division of Megatek	11-26
TextCharts	Hewlett-Packard Company	3-14
THE DGI ORGANIZATION	Decision Graphics, Inc.	2-57
THE DGI SIGNMAKER	Decision Graphics, Inc.	3-15
THE DGI TYPE SHOP	Decision Graphics, Inc.	3-16
Touchstone	EEsof, Inc.	9-42
TOPOGRAPHY — Digital Terrain Modeling	PacSoft Inc.	5-13
VersaCAD	T & W Systems, Inc.	9-43
VUE	National Information Systems, Inc.	4-11
"WHAT IF . . .?"	H.E.A.D. Consulting, Inc.	4-12
Workview Series	Viewlogic Systems, Inc.	9-44



HEWLETT
PACKARD

Printed in U.S.A. 3/86
(11) 5958-9310