

# HEWLETT-PACKARD

## Sales Guide

HP 7550A Automatic Sheet Feed Plotter





# HP 7550A Plotters Mean Profit!

## Reasons to sell the HP 7550A graphics plotter



### Excellent acceptance

- High-volume graphics users
- Multi-user market
- PC networks
- PC-based design graphics systems

### Unequaled price/performance

- Built-in automatic sheet feed
- Unparalleled acceleration and speed
- Highest quality results

### Easy to sell and support

- Excellent software support and documentation
- Exciting demo in HP 7550A memory
- System demos on disc
- Effortless add-on for new computer sales
- Easy add-on for installed units
- HP reliability and advanced engineering

### Profitable

- Excellent profit margin on peripherals
- High customer acceptance means fast turnover

### Booming graphics market

- In 1982 the computer graphics market was \$3.37 billion
- By 1987 the market will grow to \$22.3 billion

### More than just another plotter

#### What is it?

The HP 7550A is a *high-volume* graphics plotter designed for *shared environments*. Offering many unique features, the HP 7550A can meet the graphics needs of an entire office.

*Automatic sheet feed* means the HP 7550A requires very little supervision.

*Unmatched acceleration and speed* allows the HP 7550A to complete charts twice as fast as other small-format plotters.

*Quality* is not sacrificed by the HP 7550A's exceptional speed. In fact, the HP 7550A has *resolution and repeatability* comparable to HP's large drafting plotters!

*Media flexibility* makes the HP 7550A a truly versatile plotter. It draws on glossy presentation paper for report graphics; transparency film for presentations; and double-matte polyester film or vellum for drafting and design applications.

### Who will buy it?

*Prime prospects* for the HP 7550A need quantities of art-quality graphics. Automatic sheet feed, speed, and unattended plotting will be key selling points.

Many will purchase the HP 7550A for *shared environments*, where several users will send data to a central plotter. These buyers need unattended features — automatic sheet feed, paper/pen sensing, and pen capping.

Individual users with a stand-alone terminal/plotter configuration will purchase the HP 7550A to fill their *needs for high volumes* of art-quality graphs.

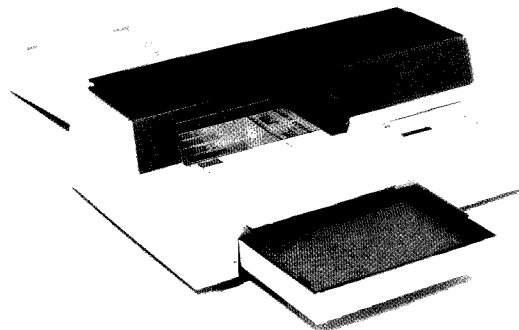
Other buyers will purchase the HP 7550A for *design (CAD) or high quality applications* where drafting media/ink and resolution are essential.

### Why will they buy it?

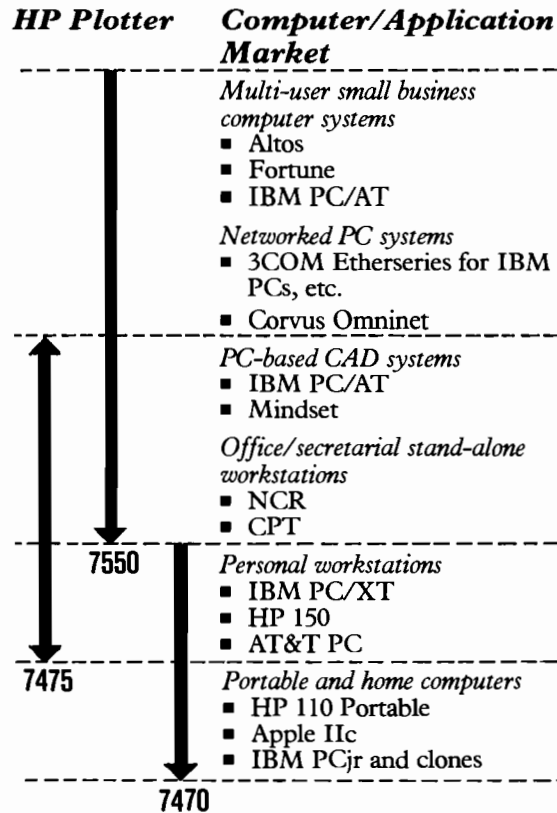
The HP 7550A stands alone in the graphics marketplace. Its speed and quality are *unmatched for the price*. It's the one plotter that can serve the graphics needs of an entire office.

Unattended plotting, high speed, drafting quality, 20 character sets, and media versatility provide an unbeatable combination of features.

Just another plotter? No way! The HP 7550A is in a class by itself!



# Positioning



## Recommend the HP 7550A for:

- Multi-user environments
- High-volume workstations
- Design graphics systems
- Feature-sensitive customers who want
  - automatic sheet feed
  - unparalleled speed and acceleration
  - media flexibility

## Recommend the HP 7475A or HP 7470A for:

- Stand-alone terminals/workstations
- Cost-conscious customers
- Less demanding applications
- Low-cost design graphics systems (HP 7475A only)

Hewlett-Packard has a plotter for every customer. Left to right: HP 7470A personal plotter, HP 7550A high-volume plotter, and HP 7475A professional plotter.



**HP Computer Museum**  
**[www.hpmuseum.net](http://www.hpmuseum.net)**

**For research and education purposes only.**

Prime prospects for the HP 7550A will be those who:

- are familiar with graphics and plotters
- use high volumes of graphics
- want a plotter for a shared peripheral environment
- need drafting-quality results for design

### **High-volume individual users**

These professionals need *quantities of art-quality graphics*. Often these prospects serve as the “*graphics resource*” for an entire office.

Whether it's 50 original charts for the sales department or 30 overhead transparencies for the president, the HP 7550A completes each task with ease.

High-volume users include:

- data processing managers
- managers of information services
- presentation coordinators
- training departments
- art departments
- financial services

These prospects will be impressed with the HP 7550A's:

- high-quality graphics
- automatic paper and overhead transparency feeding
- exceptional acceleration and speed
- media flexibility

### **Shared peripheral environments**

In multi-user environments several people send graphic information to a central plotter. In these cases, a department manager *shops for one peripheral that can fill department-wide (office-wide) needs*. This group includes:

- financial, marketing, personnel, and manufacturing managers
- CPA/accounting and consulting firms
- engineering/design companies
- architectural offices

Shared environments need:

- unattended operation
- automatic paper and transparency film feeding
- exceptional acceleration and speed
- low cost per user
- interface flexibility

### **Technical graphics**

An instant productivity boost!

The HP 7550A is a low-cost way for architectural or engineering firms to *automate drafting/design tasks*. With the HP 7550A your customers can produce crisp, precise drawings on both vellum and double-matte polyester film.

A number of versatile and time-saving computer-aided design (CAD) software packages (such as CADPLAN™ and AutoCAD™) support the HP 7550A.

The HP 7550A produces floor plans, mechanical part renderings, or printed circuit board layouts in a *fraction of the time* required for manual drawings. Time savings are even more dramatic when your customers need to revise drawings. Last-minute changes are anxiety-free!

In many large architectural or engineering firms many people share an overburdened drafting plotter. When all your customer needs is a *quick working drawing*, it's a waste of time to wait while the large plotter completes a 34×44 inch (A0/E-size) drawing.

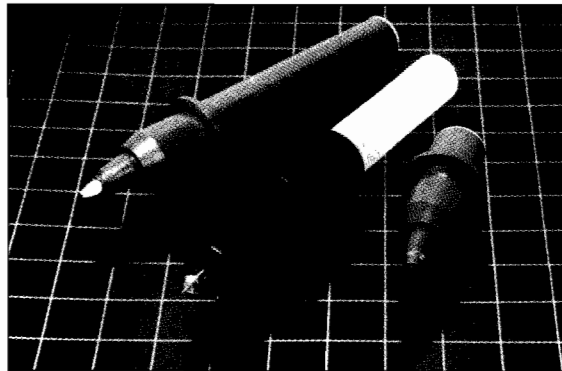
Adding an HP 7550A to this environment can quickly improve office productivity. Now your customers can skip the bottleneck at the large plotter and receive immediate results with an HP 7550A.

Technical graphics customers need:

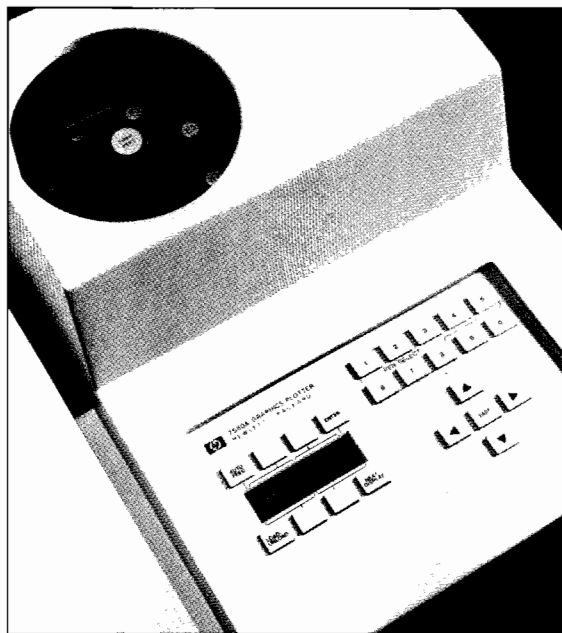
- media flexibility — paper, transparency film, vellum, and double-matte polyester film in A4/A- and A3/B-size
- pen flexibility — fiber-tip, liquid-ink, and roller-ball
- drafting quality
- resolution and repeatability comparable to HP's large drafting plotters

# Features That Sell

*Pens last longer with HP's automatic pen capping system — saves money, time, and effort.*



*Using the HP 7550A is as easy as pushing buttons. The friendly front panel guides users with LCD messages.*



*A multimedia whiz — the HP 7550A accepts paper, transparency film, and drafting media.*



## **Automatic sheet feed**

The HP 7550A automatically feeds and unloads paper (A4/A and A3/B) and transparency film. This allows unattended plotting, a time-saving benefit in multi-user environments. The media supply tray can hold up to 150 sheets of paper or 100 sheets of transparency film.

## **Acceleration and speed**

With 6 g of acceleration, the HP 7550A quickly reaches its maximum drawing speed of 31.5 inches per second (80 cm/s). We believe the HP 7550A is the fastest small-format plotter available. Such unparalleled speed allows your customers to produce large quantities of charts much faster than ever before.

## **Ease of use**

The HP 7550A automatically sets pen speed and force, caps pens, and sets plot boundaries, all without operator intervention.

Your customers will be guided through plotter set-up by a friendly front panel and function keys. The liquid crystal display reports plotter status and gives program messages. Using the HP 7550A is as easy as pushing buttons — no fooling around with hard switches.

## **Quality**

### **Resolution**

Customers can program the HP 7550A to make moves as minute as 1/1000th of an inch (0.025 mm). The plotter has an even finer mechanical resolution of 1/4000th of an inch (0.006 mm). Such resolution ensures that circles and arcs appear perfectly smooth and round.

### **Repeatability**

When your customer commands the plotter to return to the same coordinate, the HP 7550A will return within 4/1000th of an inch (0.1 mm).

## **Media flexibility**

The HP 7550A draws on A4/A and A3/B paper, double-matte polyester film, vellum, and transparency film (A4/A only). You can use liquid-ink, roller-ball, transparency, or paper pens in the HP 7550A.



This media flexibility means the HP 7550A can be used by the accounting department for financial charts, by the marketing department for presentation overhead transparencies, or by the R&D and engineering departments for drafting applications. The HP 7550A can serve the graphics needs of an entire company.

### **Drawing quality**

New pens draw crisp lines and provide vivid colors. To make pens last longer, an HP 7550A servo-controlled mechanism *places* pens on the platen to prolong pen-tip life. Automatic capping by the HP 7550A's pen carousel ensures fresh ink. Replacing pens less often saves customers money, time, and effort.

### **Character flexibility**

#### *Character sets*

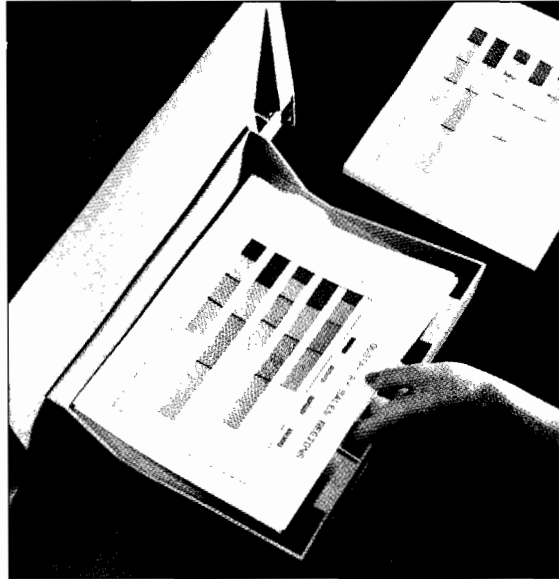
Programmers will appreciate that the HP 7550A labels in 20 character sets including Katakana (Japanese), German, French, Spanish, Italian, Swedish, Danish, Norwegian, and Portugese. This allows your customers with international dealings to create graphs in local languages.

#### *Lettering styles (fonts)*

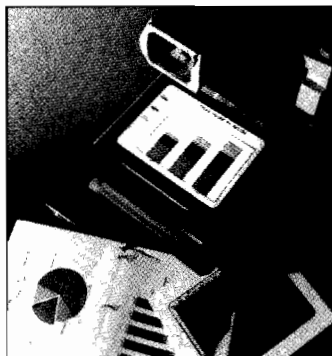
The arc font with proportional character spacing can be used for final charts and maximum readability. The stick font with fixed spacing provides your customers with maximum plotting speed for working drawings.

### **Interfaces**

An RS-232-C/CCITT V.24 and HP-IB (IEEE-488) interface give the HP 7550A the flexibility to interface with most personal computers and main-frame systems.



*When the HP 7550A finishes a chart or overhead transparency, it is stacked neatly in the paper catcher, ready for immediate use.*



*This plotter has presentation savvy — the HP 7550A's superb overhead transparencies add professionalism to every meeting.*

Features

Demonstration

Questions

Competition



# Demos Sell Plotters!

Create excitement that sells by demonstrating the HP 7550A. The internal demo is fascinating to watch and easy to run. You don't need a computer, just the HP 7550A, eight fiber-tip pens for paper (colors suggested below), and A4/A-size plotter paper.

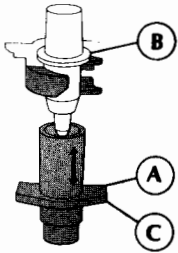
## STEP

# 1

Load the pen carousel with these fiber-tip pens:

- |                            |                                 |
|----------------------------|---------------------------------|
| <i>Stall 1</i> - Black P.7 | <i>Stall 5</i> - Green P.3      |
| <i>Stall 2</i> - Black P.3 | <i>Stall 6</i> - Violet P.3     |
| <i>Stall 3</i> - Red P.3   | <i>Stall 7</i> - Turquoise P.3  |
| <i>Stall 4</i> - Blue P.3  | <i>Stall 8</i> - Lime Green P.3 |

- Press the capping mechanism down.
- Snap the pen into the stall from the side as shown. *Be sure the pen collar rests on the stall notch and that the pen is perfectly straight.*
- Gently release the capping mechanism (colored pen tip should no longer be visible).



## STEP

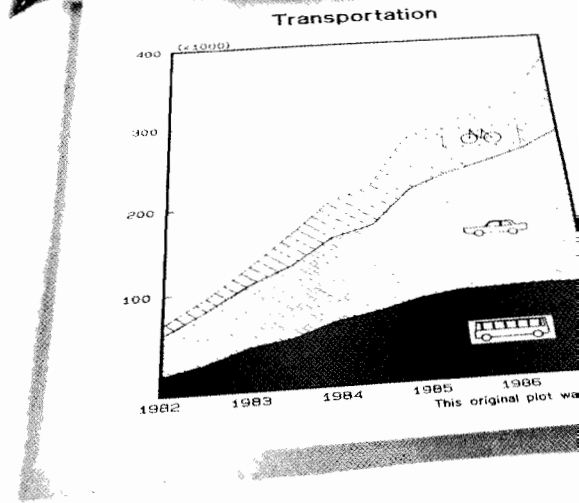
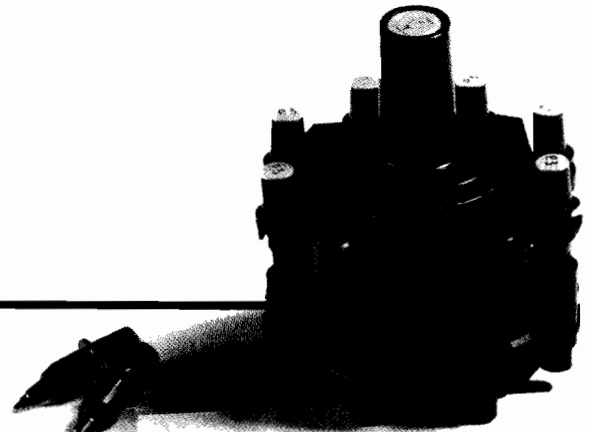
# 2

Place the loaded pen carousel in the plotter.

## STEP

# 3

Close the plastic cover and turn the power ON. The power switch is on the back panel above the power cord receptacle. After a brief initialization cycle, **LOAD PAPER TO PLOT** will appear on the display.



At this point the paper can be loaded automatically or manually:

## STEP

# 4

*Automatic*

Remove the paper tray (be sure the tray and paper size correspond). Press the black tab (in upper right corner) down and insert the paper; paper corners must be under tabs. Slide the tray into plotter.

## STEP

# 4

*Manual*

Slide a sheet of paper forward on platen until it is flush with left edge of platen and aligns with A4/A mark on platen. Paper must be under grit wheels.

## STEP

# 5

*Automatic*

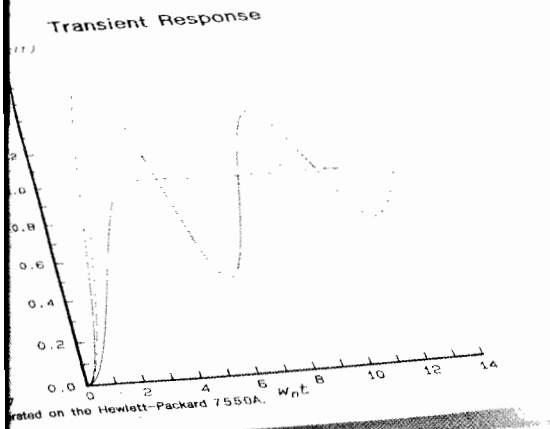
Turn the automatic feed ON by pressing the **AUTO FEED** key until a \* appears on the display directly below the **AUTO FEED** key.

## STEP

# 5

*Manual*

Turn the automatic feed OFF by pressing the **AUTO FEED** key until the \* is **not** below the **AUTO FEED** key.



**STEP 6** Press the **LOAD/UNLOAD** key.

**STEP 7** Press the **NEXT DISPLAY** key until these words appear on the display:

```
SOFTKEY DEMO
ROTATE-0
```

**STEP 8** Press the key above **DEMO** (top row, second from the right). The plot begins **immediately**.

**STEP 9** When using automatic feed, the plot will shoot out the back (be sure to use the paper catcher). When using manual feed, press the **LOAD/UNLOAD** key to remove the completed plot. The grit wheels will release, allowing you to lift the completed plot off the platen.

### Demo variations

To plot on **transparency film**, follow the above instructions, but use transparency pens and a matching carousel. Do not remove the film's paper backing until the plot is complete.

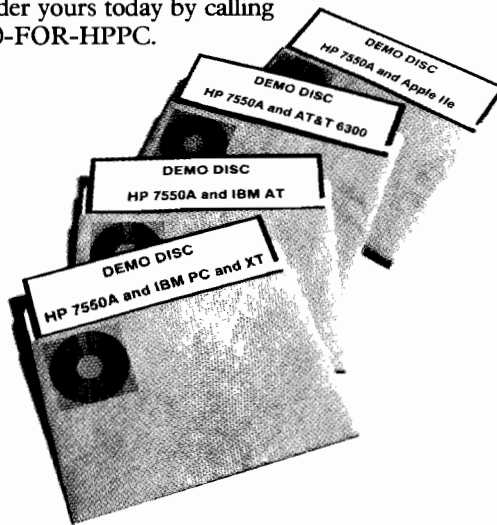
To plot on **A3/B paper**, follow the above instructions, but use the A3/B paper tray and catcher accessories if you want to load automatically. When using the manual method, be sure media is flush with left edge of platen and aligned with A3/B mark on the platen. The HP 7550A will automatically enlarge and rotate the demo plot to fit A3/B-size paper.

### Free demo discs available!

In addition to the internal demo, specific software is available for demonstrating the HP 7550A with the:

- IBM PC, IBM PC-XT, and IBM AT (P/N 07550-18004)
- Apple IIe and Apple IIc (P/N 07550-18005)

These demo discs are sure to be crowd stoppers! Order yours today by calling 800-FOR-HPPC.



# Answering Your Customers' Questions

## ***What are the advantages of sheet feed vs. fanfold or roll feed?***

When fanfold or roll-feed plotters finish a plot, pages must be trimmed and separated — consuming valuable time. When the HP 7550A finishes a chart, it is stacked neatly in the catcher, ready for immediate use. No curled plots, no expensive roll media.

## ***What media sizes does the HP 7550A accommodate?***

The HP 7550A uses these standard media sizes:

Metric (ISO)	English (ANSI)
▪ A4 210×297 mm	▪ A 8½×11 in.
▪ A3 297×420 mm	▪ B 11×17 in.

## ***How much operator supervision does the HP 7550A require?***

Pens can be loaded eight at a time, stacks of paper or transparency film can be loaded in one step, and completed charts are stacked neatly in the media catcher — making the HP 7550A so easy to use! This is especially important in a shared environment or when multiple graphs are needed.

## ***Why does the HP 7550A have a front-panel display and function keys?***

The user-friendly front panel lets your customers “talk” with their HP 7550A. From the front panel, your customers can respond to program messages and use the function keys to set plotter conditions.

## ***Why does the HP 7550A have so many character sets?***

The HP 7550A's internal character sets, including Katakana (Japan) and ISO European languages for Great Britain, Germany, France, Spain, Italy, Sweden, Denmark, Norway, and Portugal, allow your customers to create graphs in local and foreign languages. The character sets also include many scientific symbols.

***Two fonts provide flexibility. Stick font for maximum speed, arc font for maximum readability.***

For faster labeling, use the “STICK” font with fixed spacing between characters.

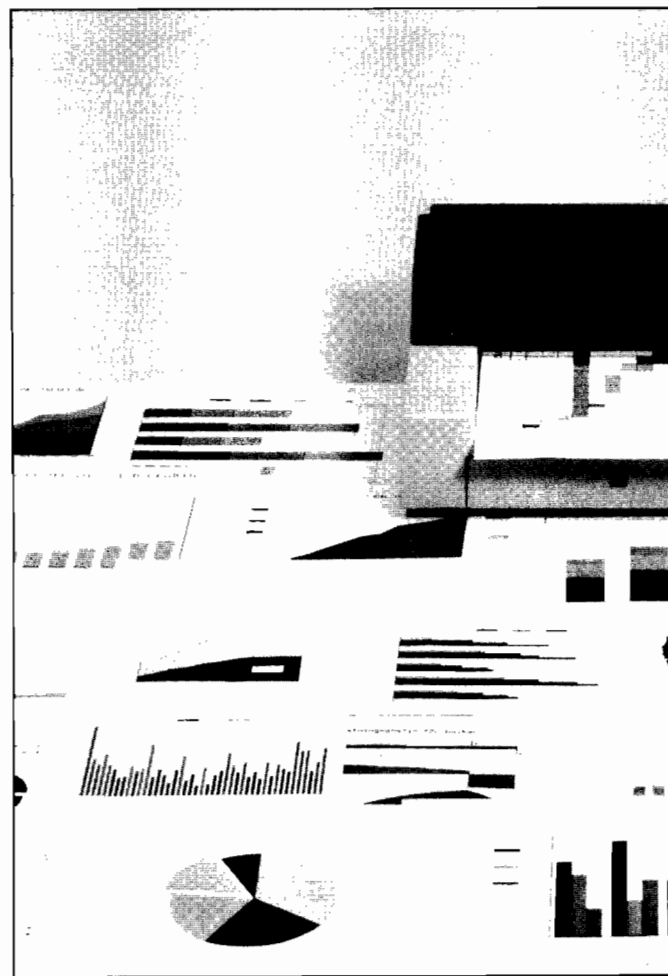
For highest quality lettering, use the “ARC” font with proportional spacing between characters.

## ***What is a user-definable character set and how is this feature used?***

With 20 character sets in two fonts, the HP 7550A has significant labeling capabilities. However, for very specialized applications, like weather mapping or local languages, additional symbols may be desired. For such cases, the HP 7550A allows your customers to create their own character sets.

## ***Why does the HP 7550A have a 12K buffer?***

The 12K byte “buffer” is a configurable graphics memory used for I/O communications, to store user-defined character sets, to hold replot instructions, and to store polygon definition and fill instructions. Users can allocate graphics memory space to suit their needs.



### **What pens are used with what media?**

Use fiber-tip pens for drawing on paper, glossy paper, and transparency film; liquid-ink pens for engineering work on vellum and double-matte polyester film; and roller-ball pens for quick, low-cost results on paper.

### **Is it necessary to use HP supplies?**

HP manufactures pens and selects other supplies based on rigorous quality standards. HP plotters perform at their peak with HP supplies. Although it's not mandatory to use HP supplies, we recommend these supplies for optimum results.

### **Why isn't an A3/B paper tray/catcher included?**

Not everyone needs large quantities of A3/B graphs, so to keep the cost of the HP 7550A as low as possible, we made the A3/B media handling kit an accessory.

### **Can other HP plotter programs be used with the HP 7550A?**

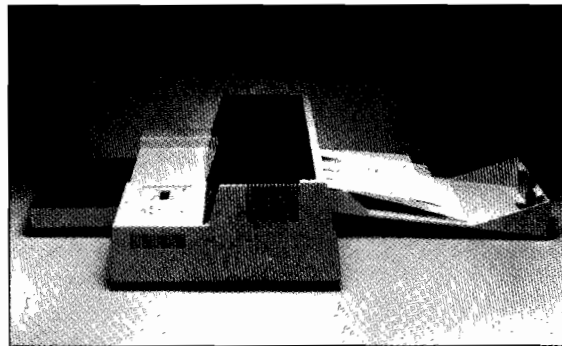
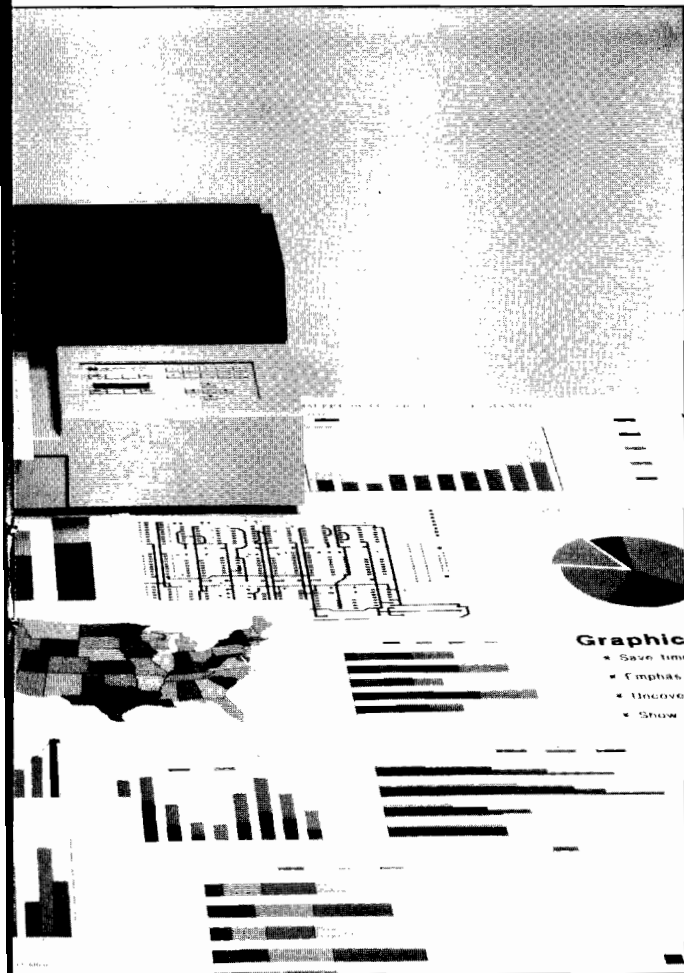
Most HP plotters share a common HP-GL instruction set. This means your customers' software investment is protected if they upgrade or change plotters.

### **What is "replot" and what are the limitations?**

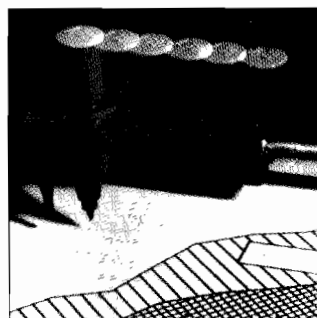
The HP 7550A can replot up to 99 identical graphs without rerunning the program — useful for including color graphs in a multicopy report or making color handouts for everyone at the meeting. Replot can be initiated through the front panel or by using HP-GL.

The limitation of replot is that all the original plot's commands must fit into the replot buffer. It's difficult to say which plots will fit into the buffer for two reasons. First, the number of program instructions vary widely, and second, the replot space is user definable.

*All in a day's work for the high-speed HP 7550A!*



*Automatic sheet feed and high acceleration mean big time savings.*

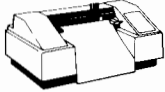
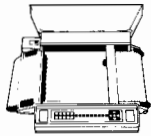

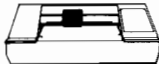


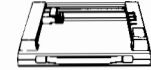


*Quality and speed second to none. The HP 7550A is more than just another plotter.*

# Competition

*In alphabetical order*

Gathered from public sales materials in October 1984. HP is not responsible for the accuracy.

Manufacturer	Model	U.S.A. List Price	Interfaces Available	Pens	Automatic Pen Capping	Approximate Axial Velocity
 CalComp	<b>1012™</b> 11 in. wide drum	\$8400	RS-232-C IEEE-488 20 mA current loop	4	No	25.4 cm/s (10 in./s)
 Gould	<b>Colorwriter™ 6300</b> 11 × 17 in. flatbed	\$2895	RS-232-C IEEE-488	10	No	40 cm/s (16 in./s)
 Hewlett-Packard	<b>HP 7550A</b> 11 × 17 in. paper mover	\$3900	RS-232-C and IEEE-488	8	Yes	80 cm/s (31.5 in./s)
 Nicolet Zeta	<b>Zeta 8™</b> 11 in. wide drum	\$5950	RS-232-C IEEE-488 IBM SNA/SDLC (\$2000 extra)	8	Yes	51 cm/s (20 in./s)
 Tektronix	<b>4662®</b> Option 31 11 × 17 in. flatbed	\$3995	RS-232-C IEEE-488	8	No	40 cm/s (16 in./s)
 Western Graphtec	<b>FP 5301</b> 11 in. flatbed	\$3990	Parallel RS-232-C IEEE-488	10	Yes	45 cm/s (17.7 in./s)
 Yokogawa Electric Works	<b>PL 2000™</b> 8½ × 11 in. flatbed	\$2625	Parallel RS-232-C (\$50 extra) IEEE-488 (\$345 extra)	4	Yes	25 cm/s (10 in./s)

Acceleration	Same Pen Repeatability	Addressable Resolution	Automatic Feed	Competitor's Advantages	Competitor's Disadvantages
0.75 g	0.1 mm (0.004 in.)	0.05 mm (0.002 in.)	Z-fold included	20 mA current loop interface	Higher price Lower acceleration Lower velocity No pen capping Lower resolution Fewer pens Single interface per machine
**	*	0.025 mm (0.001 in.)	Roll feed included	Lower price More pens	Lower acceleration Lower velocity No pen capping Single interface per machine
6 g	0.1 mm (0.004 in.)	0.025 mm (0.000985 in.)	Single sheet feed for A4/A (A3/B as an option)		
2 g	*	0.025 mm (0.001 in.)	Roll or z-fold included	IBM interface (\$2000 extra)	Higher price Lower acceleration Lower velocity Single interface per machine
0.35 g	*	0.127 mm (0.005 in.)	None		Higher price Lower acceleration Lower velocity No pen capping Lower resolution No auto feed Single interface per machine
**	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)	Roll feed included	More pens Parallel interface	Higher price Lower acceleration Lower velocity Single interface per machine Lower resolution
0.4 g	0.2 mm (0.008 in.)	0.05 mm (0.002 in.)	Roll feed included	Lower price Parallel interface	Lower acceleration Lower velocity Lower repeatability Lower resolution Fewer pens No drafting or transparency media/pens

\*Not specified in sales literature. \*\*Not specified, probably 0.5 g or less.

# Sales Aids

*Helping you sell the HP 7550A*

Description	Part Number	Description	Part Number
<i>Printed Materials for Customers</i>		<i>Manuals/Training Materials</i>	
HP 7550A Graphics Plotter, Technical Data Sheet, October 1984	5953-9793	HP 7550A Sales Guide	5953-9795
HP 7550A Supplies Price List and Ordering Information	5953-9787	Software Directory for Hewlett-Packard Plotters	5957-9466
HP 7550A Point-of-Sale or Direct Mail Brochure	5953-9794	Sales Amplifier/Graphics Plotter No. 25, Protocol Converters: Linking HP Plotters to IBM Networks	5953-9800
"The HP 7550A: The Fastest Plotter In The . . .": <i>Micro-computing</i> article reprint.	5953-9801	Plotter Note Number 10, Using the Configurable Graphics Memory, November 1984: how to allocate memory, when to use each buffer; includes sample programs and plots	5953-9769
Steps to Effective Business Graphics: a 54-page book that gives simple steps to designing good business charts and graphs. Only available from CSO (800-538-8787) for \$12.00 U.S. list. Dealer discounts available.	5957-6979	HP 7550A Graphics Plotter Operation and Interconnection Manual	07550-90002
<i>Demonstration Aids</i>		HP 7550A Graphics Plotter Interfacing and Programming Manual	07550-90001
Demonstration software for the HP 7550A and the IBM PC/XT and AT	07550-18004	HP 7550A Graphics Plotter Pocket Guide (HP-GL Instruction Set)	07550-90003
Apple IIe and IIc	07550-18005	HP 7550A Graphics Plotter Service Manual	07550-90000
Set-up instructions for interfacing the HP 7550A and the HP 150 (RS-232-C) Personal Computer	5953-9802	Programmer's Reference Manual for HP's Family of HP-GL Plotters, March 1983	5953-4161
HP 150 (HP-IB) Personal Computer	5953-9803		
IBM PC/XT	5953-9804		
IBM AT Personal Computer	5953-9805		
AT&T PC 6300	5953-9806		
Apple IIe Personal Computer	5953-9807		

*Call 800-FOR-HPPC to order your sales aids.*



# Ordering Information

## HP 7550A Accessories Supplied

Description	Part Number
<b>Operation and Interconnection Manual</b>	07550-90002
<b>Interfacing and Programming Manual</b>	07550-90001
<b>Pocket Guide</b>	07550-90003
<b>Automatic Sheet Feed Equipment</b>	
A4/A Media Loading Tray*	07550-60152
A4/A Paper Catcher	07550-40167
<b>Note:</b> The standard HP 7550A comes equipped to automatically handle A4/A media. A3/B-size automatic load/catch equipment is available as an accessory.	
<b>Plotter Media**</b>	
50 sheets, A4 or A plotter paper	
5 sheets, A4 or A overhead transparency film	
<b>Plotter Pens</b>	
4-color Paper Pen Pack, 0.3 mm, 1 each black, red, green, blue	5060-6810
6-color Paper Pen Pack, 0.3 mm, 1 each burnt orange, brown, violet, turquoise, gold, lime green	5060-6894
Single-color Paper Pen Pack, 0.3 mm, black (5 pens to a package)	5060-6787
4-color Overhead Transparency Pen Pack, 0.3 mm, 1 each black, red, blue, green	5060-6818
4-color Overhead Transparency Pen Pack, 0.3 mm, 1 each black, orange, violet, brown	5060-6834
<b>Pen Carousels</b>	
8-pen Carousel for Fiber-tip Paper Pens	07550-60051
8-pen Carousel for Fiber-tip Overhead Transparency Pens	07550-60050
<b>Grit Wheel Brush</b>	8710-1386
<b>Power Cord</b> (appropriate cord supplied based on destination)	—

\*Depending on plotter destination, either A-size (07550-60152) or A4-size (07550-60158) Media Loading Tray will be supplied with each HP 7550A plotter.

\*\*Depending on plotter destination, paper will be either 210×297 mm (9280-0588) or 8½×11 in. (9280-0589) for A4/A-size; transparency film will be 210×297 mm (07550-60214) or 8½×11 in. (07550-60213).

## Accessories Available

Description	Part Number
<b>Note:</b> The HP 7550A includes the A4/A-size Media Handling Kit; optional A3/B-size Media Kit may be ordered.	
A3-size Media Handling Kit includes A3 media loading tray, A3/B media catcher, and 50 sheets of A3-size plotter paper.	17526A
B-size Media Handling Kit includes B media loading tray, A3/B media catcher, and 50 sheets of B-size plotter paper.	17525A
8-pen carousel for liquid-ink drafting pens	07550-60053
8-pen carousel for roller-ball pens	07550-60052
<b>Overhead Transparency Kit</b>	
A-size film	5061-7583
A4-size film	5061-7584

## Interface Cables

Interface	System	Cable Number
HP-IB (IEEE-488)	HP Series 80 HP Series 100	HP 45529A/B or HP 10833A/B or HP 31389A/B
RS-232-C/ CCITT V.24	HP 150 (stand-alone), TI Pro, Wang PC	HP 17255D
	HP 150 (terminal mode, plotter in eavesdrop mode)	HP 13242N
	HP 110	HP 92221P HP 17355F
	IBM PC/XT, Compaq, AT&T PC 6300	HP 17255F
	IBM AT	HP 17255F and IBM 6450217 IBM Serial Adapter Cable
	IBM PCjr	HP 17255F and IBM Serial Device Adapter Cable
	Apple IIe, DEC Rainbow, Osborne	HP 17355D
	Apple III	HP 17355D and Apple A3M0019



# Hewlett-Packard Plotters

Description	HP 7530A	HP 7475A	HP 7470A
<b>Number of Pens</b>	8 in carousel	6 in carousel	2 in individual pen stalls
<b>Pen Types</b>	Paper, transparency, liquid-ink, roller-ball	Paper, transparency, liquid-ink	Paper, transparency
<b>Media Sizes</b>	A4/A, A3/B	A4/A, A3/B	A4/A
<b>Media Types</b>	Paper, transparency film, vellum, polyester film	Paper, transparency film, polyester film	Paper, transparency film
<b>Media Load Methods</b>	Automatic sheet feed for paper and transparency film Manual sheet loading for above media types	Manual sheet loading for above media types	Manual sheet loading for above media types
<b>Resolution Addressable</b>	0.025 mm (0.000985 in.)	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)
<b>Mechanical</b>	0.006 mm (0.000246 in.)	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)
<b>Repeatability (on paper, 10-30° C)</b>	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)
<b>Maximum Velocity (Speed)</b>	80 cm/s (31.5 in./s)	38.1 cm/s (15 in./s)	38.1 cm/s (15 in./s)
<b>Acceleration</b>	6 g	2 g	2 g
<b>Labeling Speed</b>	7-9 cps	2-3 cps	2-3 cps
<b>Interfaces</b>	RS-232-C* and IEEE-488 (HP-IB)	RS-232-C or IEEE-488 (HP-IB)	RS-232-C or IEEE-488 (HP-IB) or HP-IL
<b>HP-GL Instructions</b>	80+	50+	40+
<b>Character Sets</b>	20	19	5
<b>Lettering Styles (fonts)</b>	Stick characters, fixed spacing Arc characters, proportional spacing	Stick characters, fixed spacing	Stick characters, fixed spacing
<b>I/O Buffer Size (bytes)</b>	1024 (default) 12 800 (available)	1024	255

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\*RS-232-C is equivalent to CCITT V.24.