

hp designjet  
500 and 500ps



i n v e n t

**professional  
personal  
printing**

**for technical  
and graphics  
professionals**

# hp designjet 500 and 500ps

Demanding large-format users depend on HP Designjet printers for clear, crisp images with rich true colors and uncompromising image quality—print after print. HP Designjet 500 Series printers are the perfect choice for graphics and technical professionals who want a smart, affordable system for a personal office or small workgroup.

## hp designjet 500

Architects, engineers, and technical professionals rely on the HP Designjet 500 printer for fast, accurate illustrations, precise line drawings, and high-resolution renderings.

## hp designjet 500ps

The HP Designjet 500PS printer, with a full-featured PostScript RIP, provides detailed illustrations, accurate proofs and powerful presentations for small advertising agencies, designers, and graphic artists.

Exclusive HP Designjet imaging technology delivers uncompromising image quality at top speed. Smart printing tools provide customers with low cost of ownership, simple-to-use interface, and a high degree of unattended printing.

## high speed

- Color images at 85 ft<sup>2</sup>/hr (D-size fast mode)
- Line drawings in just 90 seconds (D-size fast mode)

## uncompromising image quality

- Rich, brilliant colors from print to print, regardless of ink levels or printhead usage
- Precise ink placement ensures crisp, sharp lines and text
- HP's color layering technology combines ink drops on a single dot to create smooth color transitions and photo-quality results—even up close
- Up to 1200-dpi resolution

## smart printing

- High-capacity HP No. 82 ink cartridges and long-life HP No. 11 printheads mean fewer supplies changes, unattended printing and low cost of ownership
- Built-in smart chips identify low ink levels and worn printheads

The **hp** designjet printing solution—**hp** printers, ink systems and printing material—engineered and tested together to ensure uncompromising print quality, performance and reliability.

## hp designjet printing supplies

HP Designjet Printing Supplies maximize the performance of your HP Designjet system. The portfolio of supplies consists of high-performance products for a variety of printing solutions that ensure uncompromising print quality, performance, and reliability.

- Ink cartridges and printheads are replaceable—replace what you need, when you need
- HP Zoomsmart scaling technology allows easy printing from any Microsoft Windows application
- Optional Fiery X4-W external RIP provides EFI tools and workflow for graphics professionals

### simple to use

- Drivers are easy to install and the control panel is simple to navigate
- Ink set changes take less than one minute
- Smooth media loading and automatic alignment
- Finished prints are automatically cut and stacked in media bin (optional on 24-inch models)

### hp warranty and support

- One-year warranty delivers free, on-site, next-business-day service, backed by HP support centers around the world
- HP Supportpacks and service agreements allow you to extend your warranty to up to five years



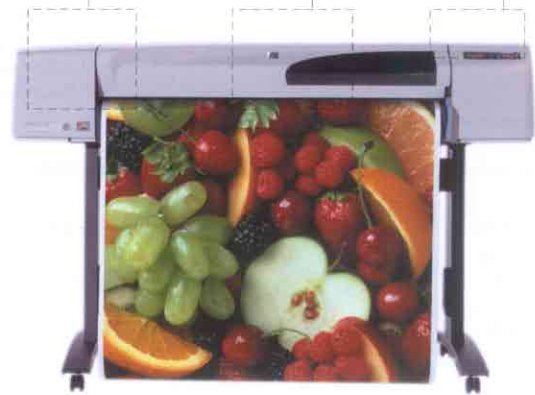
large-capacity ink cartridges



modular CMYK print heads



easy-to-follow control panel



### hp designjet 500

- Windows drivers (including support of AutoCAD)
- 16 MB RAM, expandable to 160 MB (with HP-GL/2 accessory card)
- USB 1.1 and parallel ports, and an optional network card
- C7770B (42 inch)  
US list price \$3,695
- C7769B (24 inch)  
US list price \$2,495

### hp designjet 500ps

- Includes Adobe PostScript 3 RIP
- Windows drivers (including support of AutoCAD)
- 16 MB RAM, expandable to 160 MB (with HP-GL/2 accessory card)
- USB 1.1 and parallel ports, and an optional network card
- Color management obtained through offset printing press emulations (EuroScale, SWOP, DIC and TOYO), ICC profiles for Macintosh and Windows, and Pantone color tables
- Pantone certified
- Apple ColorSync compatible
- C7770C (42 inch)  
US list price \$4,395
- C7769C (24 inch)  
US list price \$3,495

### hp designjet 500/500ps series ink supplies

#### ink cartridges

no. 10	color	ink volume
C4844A	black	69 ml
no. 82	color	ink volume
C4911A	cyan	69 ml
C4912A	magenta	69 ml
C4913A	yellow	69 ml

#### printheads

no. 11	color
C4810A	black
C4811A	cyan
C4812A	magenta
C4813A	yellow

### hp premium printing material

HP Printing Material offers a broad range of solutions, ranging from premium products for uncompromising image quality to economical products for best value and flexibility.

HP Bright White Inkjet Paper, HP Coated Paper, HP Heavyweight Coated Paper, HP Paper-Based Semi-Gloss, HP Satin Poster Paper, HP High-Gloss Photo Paper, HP Semi-Gloss Photo Paper, HP Studio Canvas, HP Banners with Tyvek®, HP Colorfast Adhesive Vinyl, HP Matte Film, HP Clear Film, HP Natural Tracing Paper, HP Translucent Bond and HP Vellum

For complete HP Printing Material product information, compatibility and printing tips visit [www.hp.com/go/designjet](http://www.hp.com/go/designjet) and select "Printing Material."

# hp designjet 500 and 500ps printers

## specifications

print technology  
print performance\*  
D-size: 24 x 36 inch

HP Color Thermal Inkjet  
Line drawings: 90 seconds (fast mode)  
Color images: 85 ft<sup>2</sup>/hour (fast mode)  
36 ft<sup>2</sup>/hour (normal)  
21 ft<sup>2</sup>/hour (best)

maximum resolution  
minimum line width  
line accuracy

1200 x 600 dpi  
0.002 in  
±0.2% or 0.38 mm (whichever is greater at 23°C, 50–60%RH)

margins

Lateral: 5mm      Leading and trailing edge: 17mm

media handling

Sheet feed, roll feed, automatic cutter

media sizes

24 inch

<u>Sheet</u>	<u>Roll</u>
width: 8.3 in. to 24 in.	width: 24 in.
length: up to 74.7 in.	length: up to 150 ft.
width: 8.3 in to 42 in.	width: 24, 36, 42 in.
length: up to 74.7 in.	length: up to 150 ft.

42 inch

memory

Standard: 16 MB      Maximum: 160 MB (with HP-GL/2 accessory card)

connectivity

languages

500: HP-PCL3-GUI (Optional: HP-GL/2, HP RTL)  
500ps: Adobe® PostScript® 3™ via software RIP, HP-PCL3-GUI (Optional: HP-GL/2, HP RTL)

drivers

Microsoft® Windows®: 95, 98, NT 4.0, 2000  
AutoCAD®: 2000 and Releases 13, 14 for Windows  
PostScript RIP (500ps): Microsoft Windows 95, 98, NT 4.0, 2000; Macintosh 8.1, 8.6, 8.6, 9.x

interfaces

500: (standard) Centronics parallel, IEEE 1284-compliant (ECP), USB 1.1 (Windows 98, 2000)  
500ps: (standard) Centronics parallel, IEEE 1284-compliant (ECP), USB 1.1 (Windows 98, 2000 and Macintosh OS 8.1, 8.5, 8.6, 9.0)  
(optional) HP Jetdirect internal print servers—see network cards

automatic interface switching

yes

system requirements

500: Microsoft Windows 9.x; Pentium I-133Hz or better, 48 MB RAM, 300 MB hard disk space  
500ps: Microsoft Windows 95, 98, NT 4.0 or 2000; 32 MB RAM, 500 MB hard disk space; Power Macintosh 8.5, 8.6, 9.0, IBM PC compatible

warranty

One-year warranty includes free, next-business-day, on-site support and service for your printer, backed by HP support centers. HP Supportpacks and service agreements extend your warranty for up to 5 years, and can provide around-the-clock service, 4-hour response time, 365 days a year.

## physical characteristics

width x depth x height

24 inch	42 inch
49 in. x 19 in. x 14 in.	67 in. x 27 in. x 43 in.

weight

85 lbs.	99 lbs.
---------	---------

## environmental specifications

temperature ranges

Operating: 59° to 95°F; Storage: -40°F to 158°F

operating humidity

20% to 80% RH

power

Requirements: 100 to 240 V AC ±10% auto-ranging; 50 to 60 Hz, 3 amps max.  
Consumption: 150 watts maximum

acoustic emissions†

Pressure:      Printing: 52 dB (A)      Power: 65 dB (A)

## regulatory compliance

information and safety

Compliant with the requirements for the ITE products—EU: Low Voltage Directive; USA and Canada: CSA Certified for US and Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB and CCEE; Singapore: PSB; Russia: GOST; Poland: PCBC

electromagnetic compatibility

Compliant with the requirements for Class B ITE products (Class A when connected to LAN cables)—EU EMC Directive, USA FCC rules, Canada DOC, Australia ACA, New Zealand MoC, China CCIB, Japan VCCI. Class A for Korea MIC, Taiwan BSMI

environmental compliance

US EPA ENERGY STAR® compliant

## ordering information

box contents

	hp designjet 500		hp designjet 500ps	
	24 inch	42 inch	24 inch	42 inch
	C7769B	C7770B	C7769C	C7770C

printer stand

	•	•	•	•
--	---	---	---	---

media bin

	•	•	•	•
--	---	---	---	---

roll-feed spindle

	•	•	•	•
--	---	---	---	---

PostScript software RIP  
for Mac and Windows  
(including AutoCAD)

	•	•	•	•
--	---	---	---	---

USB 5-m cable

	•	•	•	•
--	---	---	---	---

power cords

	•	•	•	•
--	---	---	---	---

hp designjet ink system

	•	•	•	•
--	---	---	---	---

hp printing material sample

	•	•	•	•
--	---	---	---	---

user documentation

	•	•	•	•
--	---	---	---	---

user maintenance kit

	•	•	•	•
--	---	---	---	---

Other interface cables must be ordered separately.

## options and accessories

64 MB memory module      C2387A  
(requires C7772A)

128 MB memory module      C2388A  
(requires C7772A)

HP-GL/2 accessory card and  
16 MB memory module\*      C7772A

24-inch spindle      C2389A

42-inch spindle      C2390A

Printer stand & media bin      C7782A

Fiery X4-W external RIP\*\*      C7789A

## network cards†

HP Jetdirect EIO

10/100Base-TX      J4169A

HP Jetdirect EIO 10Base-T      J3110A

HP Jetdirect EIO 10Base2,      J3111A

10Base-T, LocalTalk      J3111A

HP Jetdirect Token Ring      J3112A



As an ENERGY STAR® Partner, Hewlett-Packard Company has determined that this product meets ENERGY STAR® guidelines for energy efficiency.

Adobe®, the Adobe logo, Adobe® PostScript® 3™ and PressReady are trademarks of Adobe Systems Incorporated. Macintosh is a trademark of Apple Computer, Inc. registered in the U.S.A. and other countries. Microsoft®, Windows and Windows NT are either registered trademarks or trademarks of Microsoft Corp. in the United States and other countries. UNIX is a registered trademark of the Open Group in the United States and other countries. PANTONE® is a registered trademark of Pantone, Inc. Energy Star is a registered trademark of the US Department of Energy. ZEH-Raster Plus is furnished by ZEH Graphics Systems to HP standards and specifications. Other trademarks are properties of their respective owners.

The information in this document is subject to change without notice.

[www.hp.com/go/designjet](http://www.hp.com/go/designjet)  
©Hewlett-Packard Company  
Printed in the United States 8/00  
5980-2286EUS

\*Color images approximate speed on HP Coated Paper. Line drawings approximate speed on HP Bright White Inkjet Paper. † Per ISO DP7779. Typical emissions at 1 meter by stander position for pressure. \*\* Available Fall, 2000. • Recommended for networking. † Requires C7772A and J4169A. ‡ HP-GL/2 Accessory Card (C7772A) is recommended for networking.