



hp designjet 500ps  
large-format printer



The professional choice  
for ultimate photo quality.

The HP DesignJet 500PS printer is a professional graphics printer at an exceptional price for graphic design studios, in-house graphic departments and advertising agencies, delivering ultimate photo quality with continuous tones, smooth transitions and a wide colour gamut.

#### Two sizes:

The printer comes in two sizes, with a media path that is either 107 cm or 61 cm wide. Stand and media bin are optional on the 61 cm model.

#### Ultimate photo quality

- Ultimate photo quality is achieved using HP colour layering technology and up to 1200 dpi<sup>1</sup> resolution.
- Many more colours are available per printed dot as the printer layers different colour ink drops over each other to create new colours.

#### Professional colour management

- Accurate colours are obtained through offset-printing press emulations (EuroScale, SWOP, DIC and TOYO), ICC profiles for Macintosh® and Windows®, and PANTONE® colour tables.
- Consistent colours are achieved every time regardless of printhead usage, ambient temperature or ink levels, using automatic closed-loop-colour calibration.

#### Low cost of operation

- Exceptionally priced printer and incredibly low cost-per-copy of ink and media.

#### Fast and efficient printing

- The ideal printer for small workgroups (1 to 3 people), with print speeds of up to 7.9 m<sup>2</sup>/hr.
- Three portrait A3+ images fit side by side on the 107 cm model.

#### Great media flexibility

- A wide choice of HP Premium Printing Material is available, including HP Coated Paper, HP Heavyweight Coated Paper, HP High-Gloss Photo Paper, HP Satin Poster Paper, HP Studio Canvas, HP Bright White Inkjet Paper, HP Translucent Bond, HP Natural Tracing Paper, HP Vellum, HP Clear Film and HP Matte Film.

#### Smooth connectivity

- Adobe® PostScript® 3™ software RIP for Mac and Windows with job management and preview.
- Windows drivers (including support of AutoCAD).
- 16 MB of RAM.
- USB 1.1 and parallel ports, and an optional network card.

#### No hassle

- Drivers are easy to install and intuitive to use, an ink-set change takes less than 1 minute, the control panel is simple to navigate, and media loading is smooth and straight-forward.

#### Unattended printing

- The printer can work unattended with its modular, 69 cc ink cartridges, long-life printheads, 45.7 m media rolls, automatic alignment and cutting, and stacking of finished prints in the media bin (optional on the 61 cm model).

#### HP Warranty

- One year warranty with free, on-site, next business-day service, backed by HP support centres around the world. HP SupportPacks and Service Agreements allow you to extend your warranty to up to 5 years.

<sup>1</sup> 1200 dpi x 600 dpi

## Technical Specifications

<b>Print technology</b>	• HP Colour Thermal Inkjet		
<b>Print times<sup>2</sup></b>	Mode: Fast	Normal	Best
A1-size line drawings:	• 90 seconds		
Colour images:	• 7.9 m <sup>2</sup> /hr	• 3.3 m <sup>2</sup> /hr	• 2 m <sup>2</sup> /hr
<b>Maximum resolution</b>	• 1200 dpi x 600 dpi		
<b>Media types</b>	• Coated and glossy papers, technical media and more		
<b>Media handling</b>	• Sheet feed, roll feed, automatic cutter		
<b>Media sizes</b>	Sheet	Roll	
107 cm model:	• width: 210 to 1067 mm • length: 210 to 1897 mm	• width: 610, 914 and 1067 mm • length: up to 45.7 m	
61 cm model:	• width: 210 to 610 mm • length: 210 to 1897 mm	• width: 610 mm • length: up to 45.7 m	
<b>Minimum line width</b>	• 0.0423 mm		
<b>Line accuracy</b>	• ± 0.2 % or 0.38 mm whichever is greater at 23°C, 50-60% RH on HP Special Polyester Film		
<b>Margins</b>			
Lateral margins:	• 5 mm		
Leading and trailing edge:	• 17 mm		
<b>Memory</b>			
Standard:	• 16 MB RAM		
Maximum:	• 160 MB RAM (in combination with the HP-GL/2 accessory card)		
<b>Languages</b>			
Standard:	• Adobe PostScript 3 (using supplied software RIP), HP-PCL3-GUI		
Optional:	• HP-GL/2, HP RTL		
<b>Drivers</b>			
PostScript software RIP:	• Windows (95, NT® 4.0) without USB, Windows (98, 2000) with USB. Mac OS 8.5, 8.6, 9.0		
Windows drivers:	• Windows (95, 98, NT 4.0 and 2000)		
<b>Interfaces</b>			
Standard:	• Centronics parallel, IEEE-1284-compliant (ECP) • USB 1.1 (Windows 98 & 2000, and Mac OS 8.1, 8.5, 8.6, 9.0 only)		
Optional:	• HP JetDirect internal print servers (see Accessories – Network Cards)		
<b>Auto interface switching</b>	• Yes		
<b>Minimum system requirements</b>	• Microsoft Windows 95, 98, NT 4.0 or 2000, 32 MB RAM, 500 MB free on hard disk; Power Macintosh 8.5,8.6,9.0; IBM PC compatible		
<b>Warranty</b>	• One year warranty with free, on-site, next business-day service, backed by HP support centres around the world. HP SupportPacks and Service Agreements allow you to extend your warranty to up to 5 years.		
<b>Dimensions</b>	107 cm model	61 cm model	
Width x Depth x Height	• 1690 x 674 x 1100 mm	• 1253 x 470 x 349 mm	
<b>Weight</b>	107 cm model	61 cm model	
	• 45 kg	• 38.5 kg	
<b>Environmental Ranges</b>	Operating temperature • 15°C to 35°C	Storage temperature • -40°C to 60°C	Relative humidity • 20% to 80% RH
<b>Power</b>	Requirements • 100-240 V AC ±10% auto-ranging; 50-60 Hz, 3 amps max.	Consumption • 150 watts maximum	
<b>Acoustic emissions<sup>3</sup></b>	Pressure • Printing: 52 dB (A)	Power • 65 dB (A)	
<b>Regulatory compliance</b> Information / Safety	• Compliant with the requirements for ITE products: EU: Low Voltage Directive; USA & Canada: CSA Certified for US & Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCIB & CCEE; Singapore: PSB; Russia: GOST; Poland: PCBC.		
<b>Electromagnetic compatibility</b>	• 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.		
<b>Environmental compliance</b>	• USA EPA ENERGY STAR compliant		

## Ordering Information – HP part numbers

<b>Standard unit</b>	107 cm	61 cm
• HP DesignJet 500PS	C7770C	C7769C
<b>Box contents</b>	107 cm	61 cm
• HP DesignJet printer	•	•
• Printer Stand	•	
• Media Bin	•	
• Spindle	•	•
• Power Cord	•	•
• Ink Cartridges	•	•
• Printheads	•	•
• PostScript Software RIP for Macintosh and Windows	•	•
• Drivers for Windows (including AutoCAD)	•	•
• User Documentation	•	•
• USB 5 m Cable	•	•

Any other interface cable must be ordered separately

### Accessories

• Memory Modules (used in combination with the HPGL/2 Accessory Card): 64 MB: C2387A; 128 MB: C2388A  
• HP Spindle; 107 cm: C2390A; 61 cm: C2389A  
• Printer Stand and Media Bin; 61 cm: C7782A  
• HP-GL/2 Accessory Card (16 MB included): C7772A  
• Network Cards;  
HP JetDirect EIO 10/100Base-TX: J4169A;  
HP JetDirect EIO 10Base-T: J3110A;  
HP JetDirect 10Base2, 10Base-T, LocalTalk: J3111A;  
HP JetDirect Token Ring: J3112A

Supplies	Ink	Printhead
	Cartridge	
• HP no.10 Black	C4844A	
• HP no. 82 Cyan	C4911A	
Magenta	C4912A	
Yellow	C4913A	
• HP no.11 Black		C4810A
Cyan		C4811A
Magenta		C4812A
Yellow		C4813A
• HP Printing Material		

For a complete list of printing material and selection numbers, please refer to the HP web-site at [www.hp.com/go/designjet](http://www.hp.com/go/designjet) and select "Printing Materials".



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<sup>2</sup> Approximate mechanical printing speeds.

<sup>3</sup> Per ISO DP 7779. Typical emissions at 1 metre bystander position for pressure.

<sup>4</sup> It is recommended to buy the HP-GL/2 Accessory Card whenever you network this unit.