

HP Designjet 4500 Scanner



Streamline workflow and improve productivity by bringing large-format, color scanning in-house to complement your current large-format printing capability. Use the included software to integrate the scanner into your existing production environment.

Enable powerful color copy/scan functions in-house

- **Outstanding scan performance increases efficiency.** With scan speeds up to 76mm per second in color and 254mm per second in black and white, the HP Designjet 4500 Scanner delivers outstanding copy and scan performance and increases efficiency. The output basket will accept scanned originals for fast and easy operation during a high-volume batch-scanning job. Scan, then save, print or copy and move on to the next task without ever leaving your HP system.
- **High processing speed makes short work of large files.** The HP Designjet 4500 Scanner comes standard with an embedded operating system and an Intel Pentium IV processor. The 2.6Ghz processing speed, 1GB memory, and 30GB hard disk drive enable faster scan and copy performance.
- **Outstanding scan resolution creates high-quality images with realistic colors and precise lines.** Use the HP Designjet 4500 Scanner to create scans that have a level of detail that is comparable to the originals. With a resolution of 508 dpi optical and 2400 ppi enhanced from three cameras, and a 0.1 percent line accuracy, your scanned files are indistinguishable from new output, and reproduce the original documents precisely. The monochrome Dual 2D-Adaptive enhancement technology produces clean and crisp scans even from poor-quality originals.
- **Produce large-format color and black-and-white scans from wide or thick, rigid originals.** Add scanning functionality to produce electronic files and hard copies of color and black-and-white documents. The scanner accepts originals up to 1092 mm wide and 15.2 mm thick, so you can handle oversized and heavyweight originals even those mounted on foam board. The 1067-mm scan area captures wide-format images for easy printing, copying, and saving. The scanner does not limit scan length.
- **Low support cost.** Service certain parts more easily yourself and rely on HP's award-winning service.

Create an integrated HP scan-copy-print system

- **Closed-loop color calibration gives you consistent color reproduction.** Every scan, copy, and print contains the same colors as the original document. Create and store your custom media profiles to obtain outstanding color accuracy - print after print.



- **Integration with the printer enables excellent ease of use, copy quality, and performance.¹** The Designjet 4500 Scanner's integrated copy system features realtime printer, media, and queue information in the scanner user interface, copy accounting in the printer, and copy job priority capability.
- **Preconfigured drivers and network connectivity integrate your entire HP production system.** With the HP Designjet 4500 Scanner, you don't have to worry about device compatibility. The preconfigured drivers and built-in network connectivity make it easy to add this scanner to your HP Designjet 5000/5500 series, 4000/4500 series, 1000 series, and 500/800 series products. Eliminate user retraining by including this scanner in your HP design-and-production solution.
- **Easy to integrate with a variety of third party applications.** These range from scan applications, raster-to-vector conversion to document management.

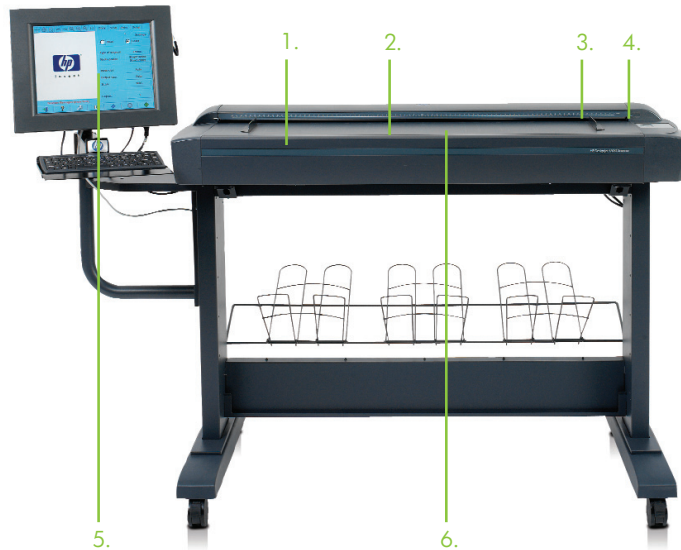
Scan, copy, and print at the touch of a button

- **Use the touch-screen graphical display for easy, intuitive operation.** Even untrained users can produce great copy and scan results from the intuitive touch-screen display. The graphical interface walks the user through the appropriate procedure to produce the type of document or file that is needed. Rather than mixing different brands, simply add the HP Designjet 4500 Scanner to the HP Designjet products that you already know and trust.
- **Use advanced copy features to streamline your job.** The advanced copy functions of the HP Designjet 4500 Printer series help you make copies quickly and easily. Enlarge or reduce images and adjust margins to create the ideal image. Use the nesting option to save media, and make large enlargements easily with the paneling option. You can also track your output by using the integrated accounting features.
- **Seamless network connectivity for easy access.** The HP Designjet 4500 Scanner fits seamlessly into your production setup and your network. Using 10/100Base-T networking and TCP/IP protocols, you can communicate across a network on the keyboard that comes standard with this stand-alone or add-on scanner.

¹ Only valid for connection with the HP Designjet 4000/4500 Printer series

HP Designjet 4500 Scanner

1. The built-in scanner accepts originals up to 1092mm wide and 15.2mm thick.
2. 1067-mm scan area captures wide-format images for easy printing, copying, and saving.
3. Scan resolution of 508 dpi optical and 2400 ppi enhanced.
4. Scan speed up to 3 inches (76mm) per second in color and 10 inches (254mm) per second in black and white.
5. Intuitive, 15" touch-screen display with graphical interface.
6. Includes Read/Write DVD to save scanned documents on DVDs and CDs.
7. 2.6Ghz processing speed, 1GB memory, and 30GB hard disk drive for faster scan and copy performance.
8. Equipped with a standard bin that holds 50 A0-size prints.



HP Designjet 4500 Scanner at a glance

HP Designjet 4500 Scanner

- 1067-mm scan area
- Accepts originals up to 15.2mm thick
- 508 dpi optical and 2400 ppi enhanced scan resolution
- 3 inches (76mm) per second in color and 10 inches (254mm) per second in black and white scan speed
- 2.6Ghz processing speed, 1GB memory, and 30GB hard disk drive

Optional service and support

- HP Care Pack, Next Business Day On Site, 3 years
- HP Care Pack, Same Business Day On site in 4 hours, 3 years
- HP Care Pack, Post warranty, Next Business Day On Site, 1 year
- HP Care Pack, Post warranty, 13x5 Same Business Day On Site in 4 hours, 1 year
- HP Care Pack, Installation & Network Configuration

"The Designjet 4500 scanner and printer together are 3 times faster than the configuration we had before. We ran one set of 50 drawings and completed the job in one third of the time."

John Jury,
Director, Reprograffix

Scanner

Superior technology for superior results

- Three digital cameras scan at a resolution of up to 508 ppi optical and 2400 enhanced, with 0.1 percent line accuracy
- Full, vivid color with 24-bit color and 8-bit graytone
- High-speed, 200-dpi color scanning at 3 inches (76mm) per second and 200-dpi monochrome scanning at 10 inches (254mm) per second
- Scan media up to 1067mm wide and up to 15.2mm thick, for handling oversized, heavyweight originals-even cardboard
- Color image processing technology provides color correction and 2-D filters for color sharpening, color softening and blur reduction

Software

Complete functionality and control

- Preview your image for a high quality, precision job
- Copy, enlarge, reduce, or adjust colors and settings, for perfecting even your originals
- Scan to file, or DVD/CD in the most common file formats, including .pdf, .tif, .jpeg, and CALS-G4
- Print your scanned jobs in unattended batches with the prints-list feature
- Print locally through the network to HP Designjet 500, 800, 1000, 4000/4500, or 5000/5500 Printer series
- Use the nesting option to save media
- Make enlargements easily with the paneling option
- Track your output using the integrated accounting features

Touchscreen graphical display

Convenient, easy-to-use interface

- 15" touch-screen running embedded operating system
- Intel Pentium IV, 2.6 Ghz and 30 GB of memory for scanned jobs
- Small keyboard included for easy data entry and network access
- DVD/CD reader/writer included for efficiency and versatility
- Fast network connection (TCP/IP)

Printer

Professional performance for high quality prints and copies

- Supports printing to HP Designjet 500, 800, 1000, 4000 /4500, or 5000/5500 Printer series
- View printer, job, status, media and accounting information
- Copy job priority
- HP smart printing supplies produce excellent quality printing every time
- A complete selection of HP universal and premium printing materials provides the look and feel you need for your application

Support & service

One-stop support & service

- One-year onsite warranty
- Additional support options include physical installation with network configuration, three-year warranty extension, and a one-year post warranty extension
- 24-hour online support via www.designjet.hp.com provides troubleshooting tips, driver downloads, user forums, and documentation

Compatible HP Printer series



HP Designjet 500



HP Designjet 800



HP Designjet 1000



HP Designjet 4000



HP Designjet 4500



HP Designjet 5000/5500

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Technical specifications

Scanning	Black & white	Color	Black & white	Color
Speed	(200 dpi): 254 mm per second	(200 dpi): 76 mm per second		
Resolution	Best mode 300 x 300 dpi	300 x 300 dpi	Draft mode 150 x 150 dpi	150 x 150 dpi
	Normal mode 200 x 200 dpi	200 x 200 dpi	Enhanced mode 2400 x 2400 dpi with variable resolution settings from 50 dpi in increment of 1 dpi	
Maximum scan width	1067 mm			
Maximum scan thickness	15 mm			
Media	Straight-through scan paper path for sheet and cardboard originals, output basket			
Handling	Non-abrasive paper, vellum, mylar, sepia, blueprints, plastic, film, plastic laminate, foam board, cardboard, no plywood, no stone plates, no metal plates nor abrasive dirty, rough, sharp edged, metal clamped, burned surfaces			
Types	At least 0.08 mm thick			
Weight	Rolls up to 1067 mm wide			
Maximum size	2.6 Ghz			
Processing	Intel Pentium IV			
Processor	1 GB			
Processor type	30 GB			
Memory				
Hard disk drive				
Connectivity	Windows 95, NT 4.0, 98, 2000, XP Home, XP Professional; IBM OS/2 WARP v 3.0, 4.0; HP/UX v 10.X, 11.X; Sun Solaris 2.5X, 2.6; IBM AIX v 3.2.5 and later; MPE/IX v 5.5; Mac OS 9.X, OS X			
Network operating systems	1 Fast Ethernet			
Interfaces	HP Macroinstaller with Windows drivers for HP Designjet 500, 800, 1000, 4000, 4500, 5000 and 5500 series printers			
Drivers				
Dimensions (h x d x w)	1800 x 1020 x 1380 mm			
Maximum	1910 x 690 x 730 mm			
Shipping				
Weight	95 kg			
Scanner	146 kg			
Shipping				
What's in the box	HP Designjet 4500 Scanner, Stand and basket assembly, Touch Screen (Panel PC), Keyboard, Power cables, FireWire cables (X2), Media guides (X2), Maintenance sheet, System recovery DVD, Maintenance kit, Plastic dust cover, Scanner Setup Poster, Scanner Quick Reference Guide, Customer Service Guide			

Environmental ranges

Operating temperature	18 to 32° C
Recommended operating temperature	15 to 30° C
Storage temperature	-20 to 55° C
Operating humidity	20 to 80% RH
Recommended humidity	25 to 75% RH

Acoustic

Sound pressure, active	46 dB(A)
Sound pressure, standby	41 dB(A)
Sound power, active	6.3 B(A)
Sound power, standby	5.8 B(A)

Power consumption

Active	300 watts maximum
Off	3.5 watts

Power requirements

100 to 240 VAC (+/- 10%), auto range, 50/60 Hz, 5 amp maximum

Power certification

Safety certification

Compliant with IEC 60950, including EU LVD and EN60950, UL certified for US and Canada, Mexico NYCE, Argentina IRAM, Singapore PSB, Russia VNIIS, Demko, China CCC, Taiwan BSMI

Electromagnetic compatibility

Compliant with the requirements for Class A ITE products: EU (EMC Directive), USA (FCC, DoC), Canada (DoC), Australia (ACA), New Zealand (MoC), Japan (VCCI), Taiwan (BSMI), China (CCC)

Energy Star compliant

No

Warranty

One-year, next-business-day, on-site

Service and support

HP Care Pack, Next Business Day On Site, 3 years
 HP Care Pack, Same Business Day On site in 4 hours, 3 years
 HP Care Pack, Post warranty, Next Business Day On Site, 1 year
 HP Care Pack, Post warranty, 13x5 Same Business Day On Site in 4 hours, 1 year
 HP Care Pack, Installation & Network Configuration

Ordering information

Q1271A HP Designjet 4500 Scanner

Supported Printers:

C7770B HP Designjet 500 Printer (42-inch)
 C7769B HP Designjet 500 Printer (24-inch)
 C7770C HP Designjet 500ps Printer (42-inch)
 C7769C HP Designjet 500ps Printer (24-inch)
 C7780B HP Designjet 800 Printer (42-inch)
 C7779B HP Designjet 800 Printer (24-inch)
 C7780C HP Designjet 800ps Printer (42-inch)
 C7779C HP Designjet 800ps Printer (24-inch)
 C6074A HP Designjet 1050c Printer (36-inch)
 C6074B HP Designjet 1050c Plus Printer (36-inch)
 C6075A HP Designjet 1055cm Printer (36-inch)
 C6075B HP Designjet 1055cm Plus Printer (36-inch)
 Q1273A HP Designjet 4000 Printer
 Q1274A HP Designjet 4000ps Printer
 Q1271A HP Designjet 4500 Printer
 Q1272A HP Designjet 4500ps Printer
 C6096A HP Designjet 5000ps Printer (60-inch)
 C6091A HP Designjet 5000ps Printer (42-inch)
 C6095A HP Designjet 5000 Printer (60-inch)
 C6090A HP Designjet 5000 Printer (42-inch)
 C6096V HP Designjet 5000ps UV Printer (60-inch)
 C6091V HP Designjet 5000ps UV Printer (42-inch)
 C6095V HP Designjet 5000 UV Printer (60-inch)
 C6090V HP Designjet 5000 UV Printer (42-inch)
 Q1254A HP Designjet 5500ps Printer (60-inch)
 Q1252A HP Designjet 5500ps Printer (42-inch)
 Q1253A HP Designjet 5500 Printer (60-inch)
 Q1251A HP Designjet 5500 Printer (42-inch)
 Q1254V HP Designjet 5500ps UV Printer (60-inch)
 Q1252V HP Designjet 5500ps UV Printer (42-inch)
 Q1253V HP Designjet 5500 UV Printer (60-inch)
 Q1251V HP Designjet 5500 UV Printer (42-inch)

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