

# 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 3in/76 mm per second color and 10in/253 mm per second 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.
- **Powerful 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 43in/1092 mm wide and 0.6in/15.2 mm thick, so you can handle oversized and heavyweight originals even those mounted on foam board. The 42-in/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.<sup>(†)</sup>** 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, 15in/381mm, touch-screen display. The graphical interface walks the user through the appropriate procedure to produce the type of document or file that you need. 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.

<sup>(†)</sup> 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 43in/1092mm wide and 0.6in/15.2mm thick.
2. 42-in/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 3in/76mm per second color and 10in/253mm per second black and white.
5. Intuitive, 15-in/381mm, 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.



## HP Designjet 4500 Scanner at a glance

### HP Designjet 4500 Scanner

- 42-in/1067-mm scan area
- Accepts originals up to 0.6in/15.2mm thick
- 508 dpi optical and 2400 ppi enhanced scan resolution
- 3in/76 mm per second color and 10in/253 mm per second black and white scan speed
- 2.6Ghz processing speed, 1GB memory, and 30GB hard disk drive

### Optional service and support

- HP Installation Service (1 unit)
- HP Network Installation Service (1 unit)
- HP Next Business Day Onsite Hardware Support, 3 years
- HP 4 hour response 9x5 Onsite Hardware Support, 3 years
- HP 4 hour response 13x5 Onsite Hardware Support - onsite in 4 hours, 3 years
- HP Next Business Day Onsite Hardware Support, 1 year post warranty
- HP 4 hour response 9x5 Same-Day Onsite Hardware Support, 1 year post warranty
- HP 4 hour response 13x5

"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 /253mm per second
- Scan media up to 42 inches/1067mm wide and up to 0.6 inches /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 or print 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

### Graphical display

Convenient, easy-to-use interface

- Touchscreen running embedded operating system
- 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)

### Support & service

One-stop support & service

- One-year onsite warranty
- Additional support options include physical installation with or without network configuration, three-year warranty extension, and a one-year post warranty
- 24-hour online support via [www.designjet.hp.com](http://www.designjet.hp.com) provides troubleshooting tips, driver downloads, user forums, and documentation
- Toll-free phone support with product experts

### Compatible HP Printer series



HP Designjet 500



HP Designjet 800



HP Designjet 1000/1055



HP Designjet 4000



HP Designjet 4500



HP Designjet 5000/5500

# HP Designjet 4500 Scanner

## Technical specifications

Scanning	Black & white	Color	Black & white	Color
Speed	(200 dpi): 10 in/sec (200 dpi): 254 mm/sec	(200 dpi): 3 in/sec (200 dpi): 78 mm/sec		
Resolution	Best mode 300 x 300 dpi Normal mode 200 x 200 dpi	300 x 300 dpi 200 x 200 dpi	Draft mode 150 x 150 dpi Enhanced mode 2400 x 2400 dpi with variable resolution settings from 50 dpi in increment of 1 dpi	150 x 150 dpi
Maximum scan width	42 in/1067 mm			
Maximum scan thickness	0.6 in/15 mm			
<b>Media</b>				
Handling	Straight-through scan paper path for sheet and cardboard originals, output basket			
Types	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			
<b>Memory</b>	1 GB RAM internal memory and 20 GB hard disk			
<b>Connectivity</b>				
Processor	2.6 GHz			
Processor type	Intel Pentium 4			
Network operating systems	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			
Interfaces	1 Fast Ethernet			
Drivers	HP Macroinstaller with Windows drivers for HP Designjet 500, 800, 1000, 5000, 4000 and 4500 series printers			
<b>Dimensions (h x d x w)</b>				
Maximum	70.8 x 40.2 x 54.3 in/1800 x 1020 x 1380 mm			
Shipping	75.2 x 27.2 x 28.7 in /1910 x 690 x 730 mm			
<b>Weight</b>				
Scanner	209.5 lb/95 kg			
Shipping	321.9 lb /146 kg			
<b>What's in the box</b>	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	64 to 90° F/18 to 32° C
Recommended operating temperature	59 to 86° F/15 to 30° C
Storage temperature	-4 to 131° F/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
	100 to 240 VAC (+/- 10%), auto range, 50/60 Hz, 5 amp maximum

### Power requirements

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

### Warranty

#### Service and support

Care packs  
UD900A/E: 3 year - onsite next day support  
UD901A/E: Next day onsite - 1 year post warranty

## Ordering information

Q1277A HP Designjet 4500 Scanner

#### Supported Printers:

C7769B HP Designjet 500 Printer (24-inch)  
C7769C HP Designjet 500ps Printer (24-inch)  
C7770B HP Designjet 500 Printer (42-inch)  
C7770C HP Designjet 500ps Printer (42-inch)  
C7780B HP Designjet 800 Printer (42-inch)  
C7779B HP Designjet 800 Printer (24-inch)  
C7779C HP Designjet 800ps Printer (24-inch)  
C7780C HP Designjet 800ps Printer (42-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)

Energy Star® Energy Star logo® are US registered marks of the United States Environmental Protection Agency. Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation. Adobe® and Adobe® PostScript® 3™ are trademarks of Adobe Systems Incorporated. AutoCAD is a U.S. trademark of Autodesk, Inc. © 2004 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.



For more information, visit our website at  
[www.hp.com/go/designjet4500](http://www.hp.com/go/designjet4500)

