

productive



remote

data sheet



hp designjet 50ps printing system B+ graphics color thermal inkjet printers

HP Designjet 50ps printing system meets the specific demands of pre-press houses, reproduction companies, and printers for superior color-accurate proofs at an affordable price. This complete printing solution, with licensed technology from Heidelberg®, delivers accurate color reproductions that emulates offset press output.

remote proofing

- reduce the proofing approval cycle from days to a few hours—send files that include all content information, color profiles, and print settings to a remote site with the hp designjet 50ps remote proofing solution

color accuracy

- professionally reproduce accurate color proofs—technologically advanced, closed-loop-color calibration system delivers superior color reproduction from any digital file
- achieve maximum color matching—hp RIP with licensed technology from Heidelberg is specially designed to meet the demanding workflow requirements of the pre-press environment
- print with a wide gamut of color—reproduce vivid colors, with up to 2400 x 1200 dpi printing on hp premium photo paper, using the 6-ink system and 4-picoliter ink drop (small ink drop size maintains fine details and smooth tonal transitions)
- color match printed materials every time—automatic PANTONE®* Calibration™, offset printing emulation (Euro-Scale, SWOP, DIC, TOYO), ICC profiles for Macintosh® and Windows®, provide control color matching at every stop of your workflow

fast printing

- minimize waiting for prints—the hp designjet 50ps delivers super-fast printing speeds of 4 mpp for a glossy full-bleed proof in best mode
- print high quality proofs on the media you need—deliver full-bleed 13 x 19 inch (330 x 482 mm) proofs on new hp design proofing media in glossy, semi-gloss, and matte
- reduce user intervention—modular 6-ink system has four 69 ml (CMYK) and two 28 ml (m) cartridges that help minimize printer downtime, reduce the cost per print, and lower overall cost of ink

All of the HP printing and imaging systems easily help you create powerful, professional communications. The printers, supplies, and accessories are specifically designed to work best together. Right-sized, cost-efficient, customized HP printing systems—invented to meet your business needs.



HP PCs use genuine Windows® Operating Systems
<http://www.microsoft.com/piracy/howtotell>

hp designjet 50ps



features

- 16 MB RAM
- 2400 x 1200 dpi resolution using hp premium photo paper
- hp pre-press RIP with Heidelberg workflow integration
- 6-color printer (CMYKcm) with separate ink cartridges
- internal color sensor for superior color accuracy
- automatic PANTONE®* and closed-loop-color calibration
- Apple® ColorSync™ compatible
- USB, Centronics parallel, IEEE 1284-compliant printer connections
- hp jetdirect 610n network card

hp warranty and supportpack

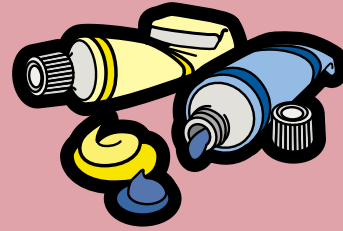
Receive a 1-year warranty including phone support from Monday to Friday during business hours and express exchange in most countries.

With optional HP Supportpack, you can extend your warranty up to 3 years.

accessories

- optional auto-duplex unit for dual-side proofs

professional color matching



advanced RIP endorsed by Heidelberg

The HP Designjet 50ps comes standard with HP RIP software. Designed with licensed technology from Heidelberg, the HP RIP effortlessly handles your demanding workflow requirements and delivers perfect color every time.

The HP RIP adds pre-press functionality such as registration marks, crop marks, slug lines, clip to page, and color scale. Other features include CMYK emulation (SWOP, Euroscale, TOYO, DIC) and capability to add new emulations (new ICC profiles), RGB emulations, spot color editor, up to 12 color separations, and advanced queue administration. The HP RIP supports Adobe® PostScript® 3™, PDF, EPS, TIFF, and TIFF/IT (P1) file formats and operates from Windows NT® and Windows 2000 server.

quality and ease with 6-color printing

You will see better coverage along the entire color gamut using the HP Designjet 50ps printing system. Reproduce vivid colors, with up to 2400 x 1200 dpi on HP Premium photo paper, using the 6-ink system (CMYKcm) and 4-picoliter ink drop. The small ink drop size maintains fine details and smooth tonal transitions for a high-quality continuous-tone output. The modular ink system is composed of 6 individual cartridges that reduce user intervention while lowering the cost per print and overall ink cost.

powerful networking and connectivity

The included HP Jetdirect 610n networking card meets the demands for your pre-press workflow. Connect using standard interfaces via USB port or Centronics parallel port. Network card supports TCP/IP and EtherTalk protocol for printer management applications.

save time with remote proofing

How would you like to present your clients accurate color proofs printed right from your desk? With the HP Designjet 50ps, you can emulate offset production by printing files that match your printer's final output.

It is also economical and efficient to purchase this machine for your clients so they can print out your proofs anywhere in the world.

With the HP Designjet 50ps, full reliability of remote prints are assured with automatic closed-loop-color calibration and remote proofing software.

flexible media handling to meet your needs

A variety of media handling features mean you can print any job from postcard size to 13 x 19 inch (B+/A3+ size) while reducing time spent loading different media sizes. The HP Designjet 50ps comes with a 150-sheet and 250-sheet input tray, bypass tray holding up to 10 sheets, rear tray for manual/single-sheet feed, and an output tray holding 50 sheets.

HP offers a full variety of finishes in 13 x 19 inch proofing media. Use HP Proofing semi-gloss paper and HP Proofing matte paper for offset emulation on contact proofs. Or, for premium presentation proofs try HP Proofing gloss paper.

maximum productivity

The HP Designjet 50ps was specifically designed to help you increase your overall productivity.

- minimize the wait for your proofs with ultra-fast print speeds of up to 4 mpp in best mode
- enhance your workflow efficiency using the hp RIP
- reduce printer downtime and printing costs with the modular 6-ink system
- reduce the proofing approval cycle with the remote proofing solution
- add an optional auto-duplex unit for dual side proofs

HP PCs use genuine Windows® Operating Systems
<http://www.microsoft.com/piracy/howtotell>

technical specifications

hp designjet 50ps

color thermal inkjet
4 mpp in best mode (B+ size)
16 MB RAM
USB port
6-color printer: C, M, Y, K, Lc, Lm
PANTONE** certified
Apple ColorSync compatible
Software RIP CD
User Documentation CD

resolution

2400 x 1200 dpi printing resolution on HP Premium photo paper

paper handling

150-sheet input tray; 250-sheet input tray; 10-sheet bypass tray; single-sheet rear manual tray; 50-sheet output tray
Minimum paper size: 3 x 5 in
Maximum paper size: 13 x 19 in

network connectivity

Networks supported: Novell® NetWare® 3.x, 4.x, 5.x, Microsoft Windows 95, 98, NT 4.0, Me, 2000, Mac OS (EtherTalk), Linux® (Web), UNIX® (Web)
IEEE 1284 compliant Centronics parallel port, and USB port; HP Jetdirect 610n network card; TCP/IP; AppleTalk®; Ethernet 10/100Base-TX, 10Base 2; Adobe PostScript 3 with HP software RIP; Microsoft Windows 98, Me, NT 4.0, 2000; Mac 8.6 or later (Mac OS X in classic mode); Office drivers for Windows
HP RIP: CMYK emulation (SWOP, Euroscale, Toyon, DIC) and capability to add new emulations (new ICC profiles); RGB emulations; Automatic black replacement; Capability to add new medias; Enhanced layout management; file types Adobe PostScript 2 & 3, PDF, EPS, TIFF, JPEG, BMP; Spot color editor; Up to 12 color separations; Enhanced queue management; Advanced administration tool

environmental ranges

Operating temperature: 59 to 86° F (15 to 30° C)
Storage temperature: -40 to 158° F (-40 to 70° C)
Operating humidity: 20 to 80% RH non-condensing

power requirements

Source: 100 to 240 volts (± 10%) auto-ranging
Frequency: 50 to 60 Hz 3 amps max

power consumption

Printing: 62 watts maximum

acoustics

Pressure: 62 dB (A) printing

warranty

1-year limited warranty includes phone support from Monday to Friday at business hours and express exchange in most countries. Some countries may have slightly different support delivery methods depending on local infrastructure. With HP Supportpacks you can extend your warranty up to 3 years.
HP Designjet 50ps: Installation and network configuration service available

printer dimensions (w x d x h)

17.41 x 28.5 x 8.78 in (442.23 x 723.92 x 223.16 mm)

printer dimensions with paper tray open (w x d x h)

21.35 x 28.5 x 8.78 in (542.23 x 723.92 x 223.16 mm)

shipping dimensions (w x d x h)

33.8 x 21.8 x 27.64 in (858 x 554 x 702 mm)

printer weight

27.55 lb (12.5 kg), 2nd sheet feeder: 6.61 lb (3 kg)

shipping weight

44.1 lb (20 kg)

product certification (varies according to region)

Safety: Compliant with the requirements for the ITE products: EU: Low Voltage Directive; USA & Canada: CSA Certified for USA & Canada; Mexico: NOM-1-NYCE; Argentina: IRAM; China: CCB; Singapore: PSB; Russia: GOST; Poland: PCBC; Korea: KTL
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: CCB; Japan: VCCI; Class A for Korea: MIC; Taiwan: BSMI

minimum system requirements

PC: Intel II Pentium processor, 4 GB available hard disk space; CD-ROM drive; Windows NT 4.0 server; 384 MB RAM
Macintosh: G3 Apple Macintosh System 8.6 or later (Mac OS X in classic mode); 1 GB available hard disk space; CD-ROM drive; 128 MB RAM

ideal system requirements

PC: Intel III Pentium processor, 9 GB available hard disk space; CD-ROM drive; Windows 2000 server; 512 MB RAM
Macintosh: G4 System 9 or later (Mac OS X in classic mode); 2 GB available hard disk space; CD-ROM drive; 256 MB RAM

ordering information

number	description
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C7790A	HP Designjet 50ps prepress industry solution
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service & support (varies according to region)

H7708A/E HP Supportpack, 3-year, express exchange

This should be purchased together with the HP Designjet printer, at latest 90 days after (180 days in Europe & North America). For more support services please visit: www.designjet.hp.com.

supplies & accessories (varies according to region)

C7795A	Auto-duplex unit
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hp printheads

C4813A	Yellow	HP no. 11 ink
C5019A	Black	HP no. 84 ink
C4812A	Magenta	HP no. 11 ink
C4811A	Cyan	HP no. 11 ink
C5012A	Light Magenta	HP no. 84 ink
C5020A	Light Cyan	HP no. 84 ink

hp ink cartridges

C4913A	Yellow	HP no. 82 ink
C5016A	Black	HP no. 84 ink
C4837A	Magenta	HP no. 11 ink
C4836A	Cyan	HP no. 11 ink
C5018A	Light Magenta	HP no. 84 ink
C5017A	Light Cyan	HP no. 84 ink

hp premium inkjet paper

51634Y	200 sheets, letter
51634Z	200 sheets, A4
C1855A	100 sheets, legal
C1856A	100 sheets, A3

hp professional brochure and flyer paper
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C6817A	Two-sided, gloss, 50 sheets, letter
C6818A	Two-sided, gloss, 50 sheets, A4
C6820A	Two-sided, gloss, 20 sheets, legal
C6821A	Two-sided, gloss, 20 sheets, A3

hp premium heavyweight coated paper

C1852A	50 sheets, letter
C1853A	50 sheets, A4

hp professional brochure and flyer paper
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C6955A	Matte, 50 sheets, letter
C6956A	Matte, 50 sheets, A4

hp premium photo paper

C6039A	Gloss, 15 sheets, letter
C6979A	Gloss, 50 sheets, letter
C6040A	Gloss, 15 sheets, A4
C6058A	Gloss, 20 sheets, legal
C6059A	Gloss, 20 sheets, A3

hp bright white inkjet paper

C1824A	500 sheets, letter
C5976A	200 sheets, letter
C1825A	500 sheets, A4
C5977A	200 sheets, A4
C1858A	200 sheets, A3

hp premium plus photo paper

C6831A	Gloss, 20 sheets, letter
C6832A	Gloss, 20 sheets, A4
C6950A	Matte, 20 sheets, letter
C6951A	Matte, 20 sheets, A4

hp proofing paper

C7886A	Gloss, 50 sheets, B+/A3+
C7884A	Semi-gloss, 50 sheets, B+/A3+
C7885A	Matte, 100 sheets, B+/A3+

hp premium inkjet transparency film

C3835A	50 sheets, A4
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hp colorfast photo paper

C7013A	20 sheets, letter
C7014A	20 sheets, A4

hp premium plus inkjet transparency film
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C7028A	50 sheets, letter
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interface & cables

C6518A	USB cable 2 m
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network

J3110A	HP Jetdirect 610n internal print server, Ethernet (10Base-T)
J3111A	HP Jetdirect 610n internal print server, Ethernet (10Base-T, 10Base2) and LocalTalk
J4167A	HP Jetdirect 610n internal print server, Token Ring
J4169A	HP Jetdirect 610n internal print server, Ethernet/Fast Ethernet (10/100Base-TX)

For more information on the HP Designjet 50ps, visit our Web site at www.hp.com and click on products and services. Here you will find information on products, supplies, and accessories for all your computing needs. HP peripherals, personal computers, supplies, and accessories are available at authorized HP resellers worldwide.

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