hp designjet 50ps printer

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The HP Designjet 50ps printing system meets the specific needs of pre-press houses, reprographic companies and printers for superior, colour-accurate proofs at impressive speeds, emulating the quality of offset press output, at an affordable price.

Specially designed to meet the demanding requirements of the pre-press industry, the HP Designjet 50ps has a Heidelberg® software RIP which enhances the workflow and provides the proofing control required by pre-press professionals. It enables the production of fast, reliable, colour accurate and remote checkprints, and proofs emulating offset press output.

Superior colour accuracy and the pre-press software capabilities of the HP Designjet 50ps allow you to emulate your offset printer's final output. Maximise your productivity as well, with shorter turnaround times and fast production of accurate A3+ proofs. Its remote proofing software enables you to reduce the approval cycle from days to hours. With excellent image quality and consistent colour reproduction it is a complete printing solution designed to give you outstanding results.

Get advanced pre-press functionality through a software RIP based on Heidelberg® technology.
- Match offset printing accurately through automatic Pantone Calibration(tm) and offset printing emulation (EuroScale, SWOP, DIC, and TOYO), as well as ICC profiles for Macintosh® and Windows®.
- The pre-press RIP with Heidelberg® technology provides advanced colour management capabilities, enabling you to do up to 16 colour separations (including CMYK), spot colour editing, extensive layout management (tiling, registration marks, crop marks, slug lines), job management (job status, printer status, user management, security, etc).
- Supports Adobe® PostScript® 3(tm), PDF, EPS, TIFF, TIFF/IT (P1 Contone) and DCS 2.0 (from application).

Reduce the proofing approval cycle from days to hours!
- Generate remote proofing files (RFP) that include all content information, colour profiles and print settings to share with your customers over the Internet and print accurate colour proofs remotely by sending the file to an HP Designjet 10ps, 20ps or 50ps printer at a different location.
- The automatic closed-loop colour calibration and the HP remote proofing software assure consistency between remote and local prints.
- The RFP is an HP open implementation of the CIP4 industry guidelines established to ensure the consistency of remote proofs.

Maximize your productivity combining high printing speeds with excellent image quality results
- Stick to your deadlines with printing speeds of up to 4 mpp in best mode (A3+ size).
- High-resolution 2400 dpi proofs and 4 picolitre ink drop size for excellent quality output.
- HP colour layering technology and 6 colour printheads (CMYKcm) deliver a wide range of colours and smooth tonal transitions.

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technical specifications

print technology	HP Thermal Inkjet
print resolution	premium 2400 x 1200 dpi
print speed	output type Colour images econofast (draft) Plain A3+ = 3.4 pages per minute, Plain A4 = 10 pages per minute productivity Glossy A3+ = 2 minutes per page, Plain A4 = 4 pages per minute best quality Glossy A3+ = 4 minutes per page, Plain A4 = 1.45 pages per minute
colour technology	Offset-printing emulation (SWOP™, Euroscale, TOYO, DIC) and capability to add new emulations (new ICC profiles), RGB emulations, Apple ColorSync compatible, PANTONE® certified, automatic PANTONE calibration, automatic closed-loop-color calibration, spot color editing, support of up to 16 color separations (CMYK + 12 separations).
minimum system requirements	Server requirements: Dedicated servers with Intel II Pentium® processor, 350 Mhz, 4 GB available hard disk space, CD-ROM drive; with Microsoft Windows NT 4.0 server, service pack 6a with 384 MB RAM or Microsoft Windows 2000 server, service pack 2 with 512 MB RAM; Microsoft Internet Explorer 5.0; No Mac server support. Client software requirements: MAC: OS 8.5, power MAC processor, 64 MB RAM, MS Internet Explorer 5.0. Windows: Windows NT 4.0 or Windows 98, Pentium II, 300 Mhz, 64 MB RAM
recommended system requirements	Server requirements: Dedicated servers with Intel III Pentium® processor, 700 Mhz, 9 GB available hard disk space, CD-ROM drive, Windows® 2000 server, service pack 2 with 512 MB RAM for PC. Microsoft® Internet Explorer 5.0. No MAC® Server support. Client software requirements: MAC: OS 9.X or later (OS X in classic mode), G4, 128 MB RamWindows: Windows 2000, Pentium III, 500 Mhz, 128MB Ram.
memory	Standard: 16 MB; maximum: 16 MB
printer languages	PCL 3 GUI, Adobe® PostScript® 3TM, PDF, EPS, TIFF, TIFF/IT (P1 Contone), DCS 2.0 (for application)
features	Automatic PANTONE® calibration and offset printing emulation (Euroscale, SWOP™, DIC, and TOYO). The automatic closed loop colour calibration corrects colours to give maximum colour accuracy. Apple ColorSync compatibility for colour matching at every step of your workflow. CMYKcm printhead with 304 nozzles per colour, 4 picoliter ink drop size and 2400 dpi resolution. Full range of existing, compatible media from postcards to A3+ format (13 x 19 in). HP remote proofing solution, enabling to generate and interpret RPF files, compatible with CIP4 JDF
recommended media	HP proofing gloss, HP proofing semi-gloss, HP proofing matte, HP colorfast photo paper, HP premium inkjet paper, HP professional brochure and flyer paper-matte finish, HP premium heavyweight coated paper, HP professional brochure and flyer paper two sided gloss, HP premium photo paper glossy, HP premium plus photo paper glossy, HP premium plus photo paper matte, HP bright white inkjet paper, HP premium inkjet transparency film
media sizes	Standard: A4, A3, A3+; custom: 76 to 127 mm, 330 x 483 mm
maximum length of sheet media	482.6 mm
media handling input	media type: standard: up to sheets 400 400
paper handling	150-sheet input tray, 10-sheet bypass tray, 250-sheet 2nd input tray, rear tray for manual single-sheet feed, 50-sheet output tray
media handling output	Media type: sheets ; standard: 50
duplex printing	Two sided printing capability
power requirements	Input voltage 100 - 240 AC (+10% auto-ranging, 50/60 Hz (3 amps max.)
power consumption	65 watts maximum
interface and connectivity	standard: USB, centronics parallel port, IEEE 1284-compliant, HP Jetdirect 610n network card, supporting TCP/IP, Ethernet 10/100 Base TX, 10Base 2, LocalTalk optional: HP Jetdirect 610n network card, supporting TCP/IP, Ethernet 10/100 Base TX, 10Base 2
software included	Server: HP pre-press RIP, HP remote proofing software Client: Adobe® PostScript® 3TM driver for HP software RIP, JobStream & HP remote proofing software
print drivers included	Adobe® PostScript® 3TM, Microsoft® Windows 98, Me, NT 4.0, 2000;Macintosh 8.6 or later (Mac OS X in classic mode)
dimensions (w x d x h)	With two-sided printing module: 542.2 x 723.9 x 223.2 mm; without two-sided printing module: 442.2 x 723.9 x 223.2 mm
product weight	Out of package: 15.5 kg; packaged: 20 kg
operating environment	Environmental ranges: operating temperature: 15 to 30° C; operating humidity: 20% to 80% RH; recommended operating temperature: 15 to 30° C; storage temperature: -40 to 70° C
ENERGY STAR	Yes
certifications	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), Korea (MIC Class A), Taiwan (BSMI). Regulatory standards: Compliant with the requirements for ITE products: EU Low Voltage Directive, CSA certified for US & Canada, Mexico NOM-1-NYCE, Argentina IRAM, China CCIB, Singapore PSB, Russia GOST, Poland PCBC, Korea KTL
warranty	One year 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 Support Packs you can extend your warranty up to 3 years. 3-year Express Exchange (available in most countries) H7708A/E.

http://www.hp.com/go/designjet

http://www.hp.com

For more information, please call your local HP sales office or representative: **Austria:** 0810/006080 (local rate call), **Azerbaijan:** +7 (99412) 973 561, **Belgium:** (02) 778 34 00, **Luxembourg:** (+352) 263 160 34, **Bulgaria:** (+359) 2960 1940, **CIS:** (007) 095 797 3500, **Croatia and Slovenia:** (+385 1) 60 60 200, **Czech Republic:** (00 420 2) 613 07 111 (Prague), **Denmark:** 45991125, **Dubai (Gulf Region):** (971) 488 15 456, **East Central Europe (Vienna HQ plus Albania):** (+43) 1-250 00, **Finland:** (09) 88721, **France:** (1) 69 82 6060, **Germany:** 0180 532 6222 (0.24 DM per minute), **Greece:** (01) 619 64 11, **Hungary:** (+36) 1 382-1111, **Iceland:** (354) 570 1000, **Ireland:** (00) 353 1 61 58 200, **Israel:** (972) 9 952 4848, **Italy:** (02) 92121, **Kazakhstan:** +7 (3272) 980 824, **Morocco (African Region):** (212) 222 21340, **Netherlands:** (020) 5476666, **Norway:** 22 735600, **Poland:** infolinia 0-801 607 607 (0,29 zΠ + VAT/min), **Portugal:** (808) 206 001, **Romania:** (+401) 250 6197, **RSA:** (27)11 806 1000 **Slovakia:** (+421 7) 68 20 90 11, **Spain:** (91) 6311600, **Sweden:** (08) 444 2000, **Switzerland:** 0848 88 44 66, **Turkey:** +90 (216) 579 71 71, **UK:** (0990) 474747, **Ukraine:** 380 44 490 61 20, **Uzbekistan:** +7 (99871) 169 1488, **Yugoslavia:** +7 (044) 490 6120, **Multi Country Operations (MCO) (Geneva):** (22) 7804111, **European Headquarters (Geneva):** (22) 7808111.

ordering information

HP strongly recommend to install the HP Designjet 50ps through one of the HP Authorised Installation Partners for the HP Designjet 50ps. A list of these partners by country can be found at **www.designjet.hp.com/50psinstall**

accessories	
c8219a	duplexer
c6518a	USB cable (2 m)

supplies	
c4913a	hp no. 82 yellow ink cartridge (69 ml)
c5016a	hp no. 84 black ink cartridge (69 ml)
c4837a	hp no. 11 magenta ink cartridge (28 ml)
c4836a	hp no. 11 cyan ink cartridge (28 ml)
c5018a	hp no. 84 light magenta ink cartridge (69 ml)
c5017a	hp no. 84 light cyan ink cartridge (69)
c4813a	hp no. 11 yellow printhead
c5019a	hp no. 84 black printhead
c4812a	hp no. 11 magenta printhead
c4811a	hp no. 11 cyan printhead
c5021a	hp no. 84 light magenta printhead
c5020a	hp no. 84 light cyan printhead
c7886a	hp proofing gloss (A3+, 50 sheets)
c7884a	hp proofing semi-gloss (A3+, 50 sheets)
c7885a	hp proofing matte (A3+, 100 sheets)

For a complete list of printing materials and selection numbers, please refer to the HP web-site at www.hp.com/go/designjet and select 'Printing Materials'.