



## hp designjet 50ps printer

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**The HP Designjet 50ps printing system delivers accurate, consistent colour reproduction and excellent image quality at impressive speeds. A complete printing solution that meets the pre-press professionals demand for superior colour control and image quality for contract proofing.**

**Specially designed to meet the demanding workflow requirements of the pre-press industry, the HP Designjet 50ps printer has a RIP with technology licensed from Heidelberg® to enable the production of fast, reliable, colour accurate and remote checkprints, contract and imposition proofs.**

- The superior colour accuracy of the HP Designjet 50ps printer gives pre-press professionals the colours they and their customers expect every time. Fewer misunderstandings means shorter turnaround times and higher productivity.
- An automatic closed-loop colour calibration system lets you experience the best colour accuracy available and achieve repeatable, and reliable results, consistent with offset output.
- Six colour printheads, capable of 2400 dpi resolution and 4 picolitre ink drops, reproduce a wide gamut of colours, maintain fine details and smooth tonal transitions for output that emulates offset print quality.

#### **Advanced pre-press functionality through Heidelberg licenced software RIP.**

- Match offset printing accurately through automatic PANTONE® Calibration™ and offset printing emulation (Euroscale, SWOP, DIC, and TOYO), as well as ICC profiles for Macintosh® and Windows®.
- This pre-press RIP is endorsed by Heidelberg. It has advanced colour management capabilities, can do up to 16 colour separations (including CMYK), spot colour editing, extensive layout management (tiling, registration marks, crop marks, slug lines), job handling (job status, virtual printers), job administration (user management, security, printer status), generates pre-press file formats (TIFF-IT, DCS) generating digital contract proofs and has a Web browser user interface for client and server.
- Supports Adobe® PostScript® 3™, PDF, EPS, TIFF and TIFF/IT (P1) file formats.
- Printer writing system based on the HP Designjet 10ps and 20ps, Heidelberg software RIP and print media integrated by HP for maximum consistency and colour fidelity.

#### **Reduce the proofing approval cycle from days to hours!\***

- The HP remote proofing solution delivers accurate colour proofs at your desk by simply printing files prepared by your commercial printer, pre-press house or agency. Full reliability of remote prints is assured by the automatic closed-loop colour calibration and the remote proofing software.
- Generate files that include all content information colour profiles and print settings of a print job.
- Print accurate colour proofs remotely by sending the generated remote proofing file to an HP Designjet 10ps, 20ps or 50ps printer at a different location.

\*HP remote proofing solution will be available at the beginning of 2002



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## technical specifications

print technology	HP Thermal Inkjet		
print resolution	output best	black 600 x 600 dpi	colour 2400 x 1200 dpi
print speed	output type econofast (draft) productivity best quality	Colour images Plain A3+ = 3.4 pages per minute, Plain A4 = 10 pages per minute Glossy A3+ = 2 minutes per page, Plain A4 = 4 pages per minute 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-colour calibration		
operating systems compatibility	Macintosh 8.6 or later (Mac OS X in classic mode), Windows 98, Me, NT 4.0, 2000		
minimum system requirements	Based on HP software RIP, servers require Intel II Pentium® processor, 4 GB available hard disk space, CD-ROM drive, Windows NT 4.0 Server 384 MB RAM for PC, no Mac Server support		
recommended system requirements	Based on HP software RIP, for best performance servers with Intel III Pentium® processor, 9 GB available hard disk space, CD-ROM drive, Windows 2000 Server, 512 MB RAM for PC. No Mac Server support.		
memory	Standard: 16 MB; maximum: 16 MB		
printer languages	PCL 3 GUI, Adobe® Postscript® 3™		
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. Dye-based black ink for dense, photo quality black with less ink. Full range of existing, compatible media from postcards to A3+ format (13 x 19 in). ICC profiles for Macintosh and Windows.		
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: sheets	standard: 400	up to 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	USB, centronics parallel port, IEEE 1284-compliant, HP Jetdirect 610n network card, supporting TCP/IP, Ethernet 10/100 Base TX, 10Base 2, LocalTalk		
software included	Adobe® PostScript® 3™ with HP software RIP		
print drivers included	Macintosh 8.6 or later (Mac OS X in classic mode); Windows 98, Me, NT 4.0, 2000		
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.		

## ordering information

<b>c7790c</b>	hp designjet 50ps printer
<b>accessories</b>	
<b>c8219a</b>	duplexer
<b>c6518a</b>	USB cable (2 m)
<b>supplies</b>	
<b>c4913a</b>	hp no. 82 yellow ink cartridge (69 ml)
<b>c5016a</b>	hp no. 84 black ink cartridge (69 ml)
<b>c4837a</b>	hp no. 11 magenta ink cartridge (28 ml)
<b>c4836a</b>	hp no. 11 cyan ink cartridge (28 ml)
<b>c5018a</b>	hp no. 84 light magenta ink cartridge (69 ml)
<b>c5017a</b>	hp no. 84 light cyan ink cartridge (69 ml)
<b>c4813a</b>	hp no. 11 yellow printhead
<b>c5019a</b>	hp no. 84 black printhead
<b>c4812a</b>	hp no. 11 magenta printhead
<b>c4811a</b>	hp no. 11 cyan printhead
<b>c5021a</b>	hp no. 84 light magenta printhead
<b>c5020a</b>	hp no. 84 light cyan printhead
<b>c7886a</b>	hp proofing gloss (A3+, 50 sheets)
<b>c7884a</b>	hp proofing semi-gloss (A3+, 50 sheets)
<b>c7885a</b>	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](http://www.hp.com/go/designjet) and select 'Printing Materials'.

<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 z[I] + 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.

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