**real
colour accuracy**

**hp designjet
10ps/20ps**

**fast
and
networkable**

hp designjet 10ps/20ps printing systems
A3+ graphics colour thermal inkjet printers

Introducing the new hp designjet 10ps and hp designjet 20ps printing systems. Designed to deliver colour-accuracy and consistency, excellent image quality and impressive print speed at amazingly affordable prices. Designed to work with HP's new proofing media, you get one complete professional printing system that gives consistently colour-accurate proofs.

If you are a graphic artist or designer working alone or in a group, you will welcome the new hp designjet 10ps and hp designjet 20ps. The hp designjet 10ps and hp designjet 20ps provide a flexible solution for a wide range of workgroup sizes. The hp designjet 10ps is engineered as a personal solution, while the hp designjet 20ps is a workgroup solution suitable for multiple users.

**hp designjet 10ps
personal solution**
(standalone hp RIP for 1-3 users)

**hp designjet 20ps
workgroup solution**
(server-based hp RIP for more than 3 users)

the right solution for you?
hp designjet 10ps and hp designjet 20ps printing systems are designed for
- free-lance graphic designers
- graphic designers in design houses or advertising agencies
- advertising and promotions departments of large corporations
- publishers

hp designjet 10ps and hp designjet 20ps are invaluable for professionals requiring accurate colour reproductions, excellent image quality and productivity-enhancing speed at an affordable price.

professional print solution for the graphics market
hp designjet 10ps and hp designjet 20ps

The use of colours is the one of the most fundamental and critical part of any design piece. Designers understand the importance of colour-accurate proofs in conveying their design concepts.

Sales/Account executives from design agencies know the importance of attractive and colour-accurate mock ups in helping them sell their ideas and stand out from the competition.

With the new hp designjet 10ps and hp designjet 20ps, design agencies can now have a high-quality in-house proofing solution.

excellent colour-accuracy

- technologically advanced closed-loop colour calibration system and built-in colour sensor ensure consistently colour-accurate output from digital file. (more details on page 6)

- built-in internal colour sensor automatically recalibrates your hp designjet 10ps and hp designjet 20ps, adjusting the output to match the set colour profile.

- 6-colour printing system with light cyan and light magenta for wider colour gamut (range of printable colours) that delivers more accurate representations.

- automatic PANTONE®* Calibration™, offset printing emulation (EURO-Scale, SWOP, DIC, TOYO), ICC profiles for Macintosh®, and Window® as well as Apple® ColorSync™ compatibility, provide control colour matching at every stop of your workflow.

- hp proofing media gives you true offset-like printouts. hp proofing gloss works beautifully for premium presentation while hp proofing matte gives offset emulation.

remarkable image quality

- wider colour gamut with 6-colour ink system and up to 2400 by 1200 dpi resolution (using hp premium photo paper) for outstanding image quality.

- 4 picolitre ink droplets - small ink drop size maintains fine details and smooth tonal transitions for high-quality output.

- dye-based inks yield saturated colours and true blacks without the need to overprint with other inks.

cost-effectiveness and productivity

- A3+ printouts can be generated at super fast print speed of up to 4 mpp.

- 6-ink modular cartridge system with four 69ml (light cyan, light magenta, yellow and black) and two 28ml (cyan, magenta) cartridges that help minimise printer downtime and reduce cost per print as well as overall ink cost.

- standalone or server-based RIP optimises your system's resources to suit your usage patterns.

- optional duplexer, protocol interface cards and other software and hardware accessories add functionalities only if you need them, so you only buy what you need.

networkability

- optional networking capability for hp designjet 10ps and hp designjet 20ps through hp jetdirect 610n card. Network support include TCP/IP, Novell® Microsoft®, Macintosh®, Linux and Urix.

remote proofing capability

- HP is planning to release its remote proofing solution which will enable hp designjet 10ps and hp designjet 20ps graphics printer to do remote proofing from files generated by a remote proofing RIP in the year 2002.

richer colour with 6-ink system

new ink system that works
hp designjet 10ps and hp designjet 20ps printers use a 6-ink printing system incorporating light cyan and light magenta together with cyan, magenta, yellow and black for a wider colour gamut, giving you richer, finer-detailed printouts.

long-lasting, high performance printheads

dye-based inks for stable, saturated colours
Dye-based ink, provide increased colour stability and saturation on printouts and proofs.

cartridges designed to save you time and money
Designed to reduce downtime and user-intervention, the 6-ink modular cartridge system comprise four high volume 69 ml cartridges for light cyan, light magenta, yellow, black and two 28ml cartridges for cyan and magenta. The modular system also allows you to replace only the inks you have depleted, minimising expenditure on consumables.

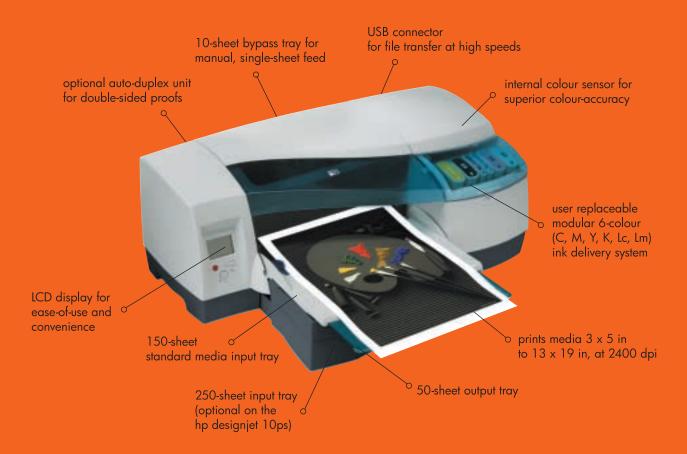**new printheads that deliver true performance**
With TIJ3 (Thermal Inkjet 3) technology, HP's new printheads have extra long life-spans. Furthermore, the new printhead and cartridges come separately as modular components of the printing system so that they can be replaced independently. This further reduces your consumer costs. The new printheads also yield droplet frequencies of up to an amazing 36 kHz and a print swathe of 0.5 inches per pass, resulting in remarkably fast print speeds even while producing output of the highest quality.

better printouts with new printhead
With 304 nozzles per printhead and the 6-ink system, the hp designjet 10ps and hp design 20ps not only achieve faster print speed but also yield smoother transitions and more realistic tones through the smaller ink droplets (4 picolitres each).

hp designjet 10ps/20ps
(hp designjet 20ps shown)

10-sheet bypass tray for manual, single-sheet feed

USB connector for file transfer at high speeds

optional auto-duplex unit for double-sided proofs

internal colour sensor for superior colour-accuracy

user replaceable modular 6-colour (C, M, Y, K, Lc, Lm) ink delivery system

LCD display for ease-of-use and convenience

150-sheet standard media input tray

prints media 3 x 5 in to 13 x 19 in, at 2400 dpi

250-sheet input tray (optional on the hp designjet 10ps)

50-sheet output tray

internal features
- 16 MB RAM
- 2400 x 1200 dpi using hp premium photo paper
- 6-colour printer (C, M, Y, K, Lc, Lm) with separate ink cartridges
- internal colour sensor for superior colour-accuracy
- automatic PANTONE® and closed-loop colour calibration
- Apple® ColorSync™ compatible
- USB, Centronics, parallel, IEEE 1284-compliant printer connections
- Centronics parallel, IEEE 1284-compliant printer connections

hp designjet 10ps (personal solution)
- standalone hp RIP for 1-3 users
- 150-sheet input tray
- bypass tray holds up to 10 sheets

optional accessories
- 250-sheet input tray
- hp jetdirect 610n network card
- server-based software RIP
- hp auto-duplex unit
- hp pre-press software

hp designjet 20ps (workgroup solution)
- server-based hp RIP for multiple users
- 150-sheet and 250-sheet input trays
- bypass tray holds up to 10 sheets

optional accessories
- hp jetdirect 610n network card
- hp auto-duplex unit
- hp pre-press software

hp designjet family of A3+ graphics printers offer you unrivalled flexibility by being fully compatible with both existing media in a variety of sizes and also the new range of proofing media from HP.

Manufactured under the strictest conditions of quality-control monitored by HP and delivered to you in sealed, light-proof, nitrogen-filled packs, you can trust hp proofing media to deliver consistently high-quality output suitable for critical proofing applications.

HP's new range of proofing media: an integral part of the hp designjet proofing solution
This new range of specially-designed and custom-made papers from HP has full international offset press standards coverage (EURO-Scale, SWOP, DIC, TOYO) and allows you to generate offset-like quality contract proofs on your hp designjet 10ps or hp designjet 20ps. hp proofing matte paper gives offset-like quality proofs on media that accurately emulates the look and feel of offset media, while hp proofing gloss paper let you output brilliant premium presentation proofs, all at a fraction of the cost of conventional proofing tools.

When you use hp proofing media with your hp designjet printer, you can rest assured knowing that colour fidelity and media quality will be of the high standard you have come to associate with HP.

selecting the right hp designjet printer

hp designjet 10ps (personal solution)
- standalone hp RIP for 1-3 users
- 150-sheet input tray
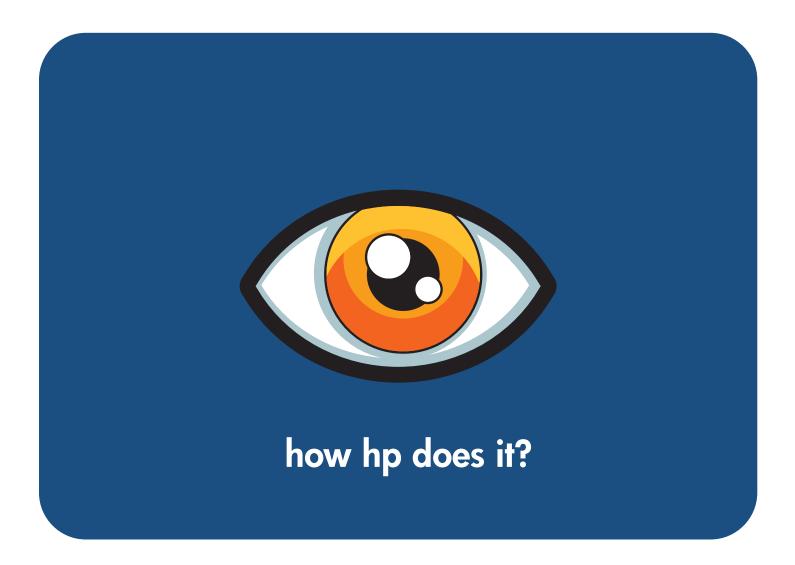- bypass tray holds up to 10 sheets

optional accessories
- 250-sheet output tray
- hp jetdirect 610n network card
- server-based software RIP
- hp auto-duplex unit
- hp pre-press software

hp designjet 20ps (workgroup solution)
- server-based hp RIP for multiple users
- 150-sheet and 250-sheet input trays
- bypass tray holds up to 10 sheets

optional accessories
- hp jetdirect 610n network card
- hp auto-duplex unit
- hp pre-press software

how hp does it?

hp designjet family of A3+ graphics printers ensures repeatable, accurate colour reproduction. Graphic arts professional experienced in the complexities of print and colour management might find this claim far-fetched. Here is how hp does it.

automatic recalibration to meet different press conditions
hp designjet 10ps and hp designjet 20ps incorporate an advanced internal colour sensor that automatically adjusts its output to match a preset colour profile. The built-in colour sensor is the linchpin of HP's claim to accurate and repeatable colour: its inclusion gives your printer the ability to adjust its output to compensate for less than ideal printing conditions or materials, circumstances which usually result in colour inaccuracy in less well-equipped printers.

The internal colour sensor will recalibrate the output from the printer to match the output profile you have set. With the correct colour profiles, your hp designjet 10ps or hp designjet 20ps can produce digital proofs that are consistently colour-accurate.

integrated profiling that accounts for every step of the design and printing process
HP's colour profiles are customised to integrate easily with ColorSync™ and other display colour profiles, ensuring a close match between your monitor display and your printer output. HP has also created custom ICC profiles that incorporate the unique characteristics of hp inks, media and printer writing system to enable accurate colour matches in major colour spaces and across major international offset press standards. HP's colour profiling coordinates your monitor, design/output application and printer so they produce consistent, reliable results.

reliable and stable ink colour

HP manufactures its inks in large batches with strictly-controlled colour standards to ensure that the variances in ink colour remain small.

Our chemists have also designed the dye-based inks to remain stable and colour-assured over long periods of time and under different lighting conditions.

HP's 6-ink system is also designed to give designjet printers a colour output range that matches or exceeds that of conventional printing presses, ensuring you the ability to produce a pre-press proof that closely emulates the final offset-printed output.

quality-controlled proofing media

The accuracy of your output depends as much on the ink and printer as it does on the media you print on.

High quality hp proofing media is shipped to you in sealed, light-opaque, nitrogen-filled packs to ensure that the media you get is close to design specification, thus removing much of the unpredictability in output that derives from the output substrate.

the result

Offset-like quality proofs that saves time and money.
Using digital ink-on-demand proofing systems allows you to save time and expense involved in hardcopy transport and photomechanical proofing.

Significant savings in time and money can be achieved by printing and design firms that opt to use printouts from hp designjet family of A3+ graphic printers as pre-press or contract proofs in place of photomechanical proofs.

The hp designjet family of A3+ graphics printers are engineered specifically to be proofing printers that ensure colour-accurate reproduction and consistent proofs at an impressive speed.

technical specifications

hp designjet 10ps and hp designjet 20ps
- colour thermal inkjet
- 4 mpp in best mode (A3+size)
- 16 MB RAM
- USB port
- 6-colour 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
hp designjet 10ps:
- 150-sheet input tray; 10-sheet bypass tray; single-sheet rear manual tray; 50-sheet output tray

hp designjet 20ps:
- 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)

hp designjet 10ps/20ps:
- IEEE-1284 compliant Centronics parallel port and USB port; hp jetdirect 610n network card (optional); 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 OSX in classic mode): Office drivers for Windows

hp RIP:
- CMYK emulation (SWOP, Euroscale, Toyou, 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

hp designjet 10ps:
- standalone solution (supports 1 –3 users);

hp designjet 20ps:
- client/server solution (supports 3 users and above)

environmental ranges (varies according to region)
- 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 (varies according to region)
- source: 100 to 240 volts (Ī 10%) auto-ranging
- frequency: 50 to 60 Hz 3 amps max

power consumption (varies according to region)
- printing: 65 watts maximum

acoustics (varies according to region)
- pressure: 62 dB (A) printing

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)
hp designjet 10ps:
- 33.8 x 21.8 x 18.2 in (858 x 554 x 462 mm)

hp designjet 20ps:
- 33.8 x 21.8 x 27.64 in (858 x 554 x 702 mm)

printer weight
hp designjet 10ps:
- 27.55 lb (12.5 kg)

hp designjet 20ps:
- 27.55 lb (12.5 kg), 2nd sheet feeder:6.61 lb (3 kg)

shipping weight
hp designjet 10ps:
- 37.48 lb (17 kg)

hp designjet 20ps:
- 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: CCIB; 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: CCIB; Japan: VCCI; Class A for Korea: MIC; Taiwan: BSMI

minimum system requirements
- PC: hp designjet 10ps: Intel® II Pentium® processor, 1 GB available hard disk space; CD-ROM drive; Windows 98, ME, NT 4.0 or 2000; 128 MB RAM
- PC: hp designjet 20ps: Intel II Pentium processor, 2 GB available hard disk space; CD-ROM drive; Windows NT 4.0 server; 128 MB RAM
- Macintosh: hp designjet 10ps: Power Apple Macintosh System 8.6 or later (Mac OSX in classic mode); 1 GB available hard disk space; CD-ROM drive; 128 MB RAM
- Macintosh: hp designjet 20ps: G3 Apple Macintosh System 8.6 or later (Mac OSX in classic mode); 1 GB available hard disk space; CD-ROM drive;128 MB RAM

ideal system requirements
- PC: hp designjet 10ps: Intel III Pentium processor, 2 GB available hard disk space; CD-ROM drive; Windows 98, ME, NT 4.0 or 2000; 256 MB RAM
- PC: hp designjet 20ps: Intel III Pentium processor, 2 GB available hard disk space; CD-ROM drive; Windows 2000 server; 256 MB RAM
- Macintosh: G4 System 9 or later (Mac OSX in classic mode); 2 GB available hard disk space; CD-ROM drive; 256 MB RAM

warranty
1-year warranty includes phone support from Monday to Friday at business hours and express exchange in Japan, Australia and New Zealand. 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 20ps:
installation and network configuration service available.

further information

The latest information on hp products and services is available on the World Wide Web at **www.hp.com/go/designjet**

For more information, call your local Hewlett-Packard sales office or your nearest hp authorised dealer:

hp customer information centre (for product information)

Australia	132347
China	+86 10 6564 5858
Hong Kong	+852 2599 7066
India	+91 11 9628 123 123
Indonesia	+62 21 579 00323
Korea	+82 2 3270 0720
Malaysia	+60 3 2698 1111
New Zealand	+0800 733 547
Philippines	+63 2 636 9888
Singapore	+65 2788100
	1800 2788100 (local toll free calls only)
Taiwan	+886 2 2717 0055
Thailand	+66 2 661 4000
Vietnam	+848 823 6215

for the following countries, please fax your queries to:
+65 275 6707
•Bangladesh •Brunei • Cambodia •Pakistan •Sri Lanka

hp customer care centre (for post-sales service)

Australia	+61 3 8877 8000
China	+86 10 6564 5959
Hong Kong	+852 800 96 7729
India	+91 11 682 6035
Indonesia	+62 21 350 3408
Korea	+82 2 3270 0700
Malaysia	+60 3 2695 2566
New Zealand	+64 9 356 6640
Philippines	+63 2 867 3551
Singapore	+65 272 5300
Taiwan	+886 2 2717 0055
Thailand	+66 2 661 4000
Vietnam	+848 823 4530

for more information on support, visit:
http://www.hp.com/go/support

for more information on hp supportpack, visit:
http://www.asiapac.hp.com/supportpack

for more information on hp genuine parts, visit:
http://www.hp.com/go/hpparts

ordering information

number	description
C7790A	hp designjet 10ps personal solution
C7790B	hp designjet 20ps workgroup solution

hp supportpack option[1]

H7620A/E	Installation and network configuration (hp designjet 20ps)
H7620A/E	3-year express exchange (available in some countries)

supplies & accessories (varies according to region)

C7794A	2nd Paper Tray (hp designjet 10ps)
C8219A	Auto-duplex unit

hp printhead

C4813A	Yellow printhead (hp no.11 ink)
C5019A	Black printhead (hp no.84 ink)
C4812A	Magenta printhead (hp no.11 ink)
C4811A	Cyan printhead (hp no.11 ink)
C5021A	Light Magenta printhead (hp no.84 ink)
C5020A	Light Cyan printhead (hp no.84 ink)

hp ink cartridges

C4913A	Yellow ink cartridge (hp no.82 ink)
C5016A	Black ink cartridge (hp no.84 ink)
C4837A	Magenta ink cartridge (hp no.11 ink)
C4836A	Cyan ink cartridge (hp no.11 ink)
C5018A	Light Magenta ink cartridge (hp no.84 ink)
C5017A	Light Cyan ink cartridge (hp no.84 ink)

hp proofing paper

C7886A	Gloss, 50 sheets, A3+
C7885A	Matte, 100 sheets, A3+

hp colorfast photo paper

C7014A	20 sheets, A4
C7013A	20 sheets, letter

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

C6955A	Matte, 50 sheets, letter
C6956A	Matte, 50 sheets, A4

hp premium heavyweight coated paper

C1852A	50 sheets, letter
C1853A	50 sheets, A4

hp professional brochure and flyer paper

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 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 premium plus photo paper

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

hp bright white inkjet paper

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

hp premium inkjet transparency film

C7028A	50 sheet, letter
C3835A	50 sheet, A4

interface & cables

Q1249A	Server-based software RIP for hp designjet 10ps MAC USB
Q1249B	Server-based software RIP for hp designjet 10ps WIN USB
Q1249C	Server-based software RIP for hp designjet 10ps WIN parallel
Q1250A	Pre-press software RIP for hp designjet 10ps and hp designjet 20ps
C6518A	USB cable 2 m

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)

[1]Please check with your local hp resellers for availability of other hp supportpack options.