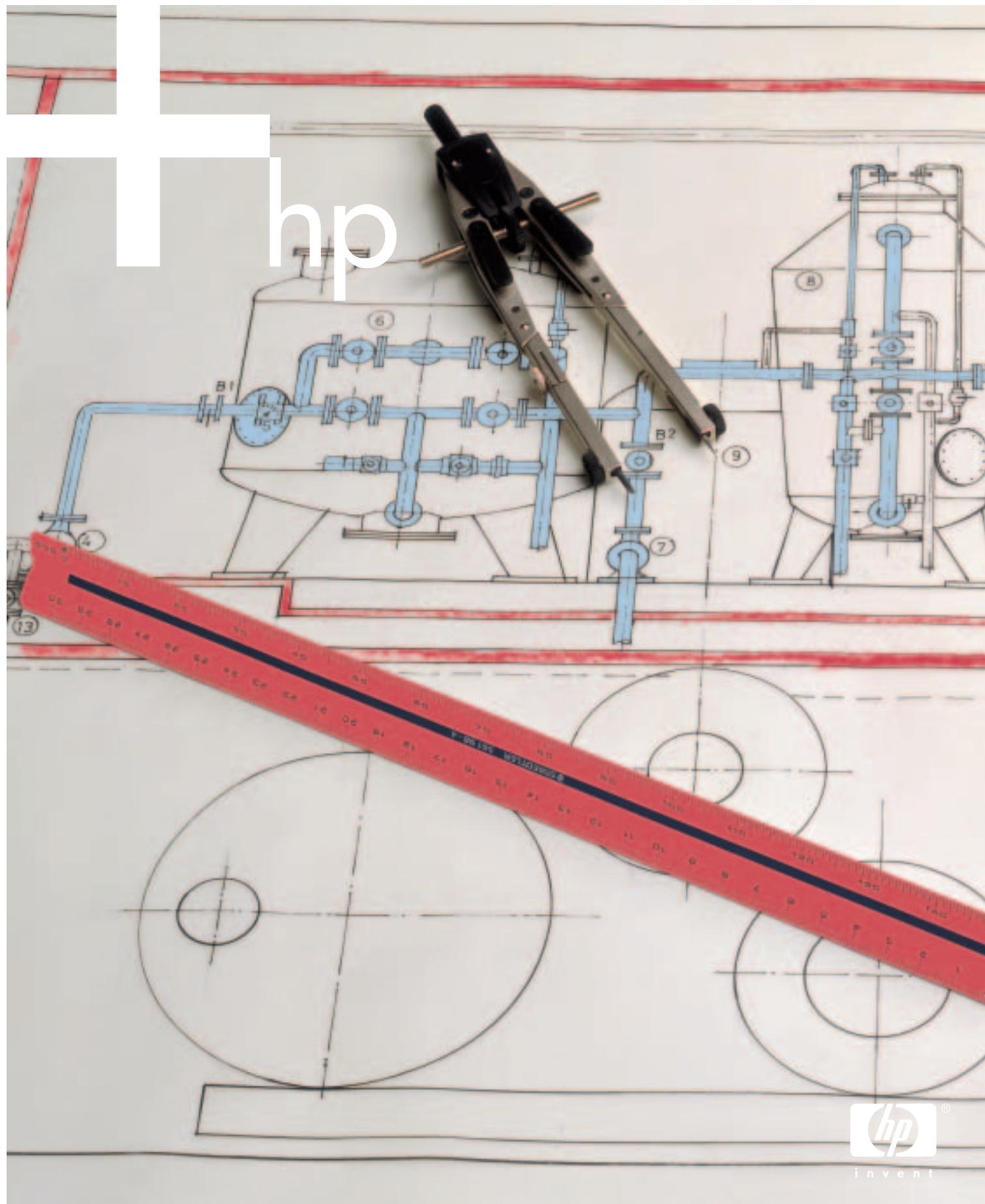


# HP large format printing solutions

For the specific technical needs of **GIS, AEC, MCAD**  
and **REPROGRAPHY** professionals

Spring 2006

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# Introduction

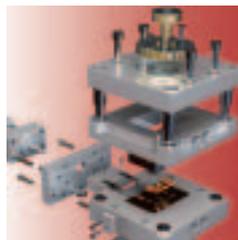
If you work with geographic information systems (GIS), architectural, civil engineering or construction (AEC) drawings or mechanical design (MCAD) applications, you're probably used to printing heavy files in large format. And surely you are always looking for smoother, more sophisticated printing solutions that will help you reduce time and costs.

## At HP, we work on technical printing.

Our range of large format printing solutions are designed specifically to meet your day-to-day needs – enabling you to increase the efficiency of your operations and improve your earning potential.

**What you will find in this brochure** – professional solutions for specific needs of GIS, AEC and MCAD market. Plus, you'll find market-specific product information, a detailed product portfolio and information on HP supplies.

Reasons to choose HP: additional services and programmes, advanced technologies, print management tools and a wide range of HP partners.



# HP services and offering

HP offers you a complete package of services along with our products. Here is an overview of the wide range of different services and programmes that you can profit from when deciding on HP.

## Installed Base Renewal Programme

At [www.designjet.hp.com/renewal](http://www.designjet.hp.com/renewal) you can:

- Compare the specifications and cost per copy of your old printer with the latest HP Designjet printers
- Get a recommendation for large format printing
- Get a quote for a trade-in of your old printer

## Trade-In Programme

This programme offers you the opportunity to recover value on your existing equipment with a minimum effort.

**Get money for your old printer.** Purchase a new HP Designjet printer and we'll buy back your old large format printer or proofing device.

**Lower your printing costs.** Invest in a new HP Designjet to considerably lower the costs associated with printer usage. Your new printer will be up to 50% cheaper to run, enabling major savings every time you print.

**Print faster and at higher quality.** The new HP Designjet printers are up to 4 times faster than your existing printer. They deliver higher print quality and are incredibly easy to use.

Find out more under [www.designjet.hp.com/renewal](http://www.designjet.hp.com/renewal)

## HP Care Packs

		HP Business Inkjet 2800 Printer series	HP LaserJet 5100 Printer series
On-site Response	within 4 hours of call (8am–9pm), 3 years		U3470A/E
Next-Business-Day On-site Response	3 years	H7672A/E	U3469A/E
	4 years		U6407E
	5 years		U6408E
Post-warranty On-site Response	within 4 hours of call, 1 year		U3511PA/PE
	next-business-day, on-site, 1 year	H5777PA/PE	U3472PA/PE

Not all programmes are available in all countries, so please check the availability for your country under [www.hp.com](http://www.hp.com)



## Buy and Try Programme

This programme enables you to purchase products without risk. There is a money-back guarantee, should you not be entirely satisfied with the equipment during the contracted trial period.

You have 1 month to try your HP printer and if at the end of this period you are not satisfied, you can return it to HP.

This gives you peace of mind when buying your new HP large format printer!

For more details on the programme, please visit: [www.hp.com/eur/buyandtry](http://www.hp.com/eur/buyandtry)

## Print Sample Programme

Get your free print samples for HP Designjet printers. If you want to enjoy the image quality of an HP large format printer, visit our website to request your free print sample:

[www.hp.com/go/pro-photo/printsamples](http://www.hp.com/go/pro-photo/printsamples)

## HP Pay per use programmes

Would you prefer to pay upfront for your printer or enter into a leasing agreement? Does a fixed monthly rent for a maximum number of printed square meters sound preferable to a price that's based precisely on your printing volume? Whatever you choose, HP and its partners can offer the flexible solution to meet your needs, including printer, extended warranty, ink and media consumables.

## HP Start Right Pack

### New large format printer? Start Right with FREE HP Media!

The HP Large Format Start Right Pack features original HP large format media, which reduces costs through fewer misprints, boosts productivity with faster drying and delivers consistent colours with every print.

**Quality samples for a fair test** – try our products under everyday conditions

**Exceptional choice** – over 70 different kinds of HP large format media

**Long-term cost savings** – you can experience the true value of HP originals

Take that first step and Start Right with **FREE** original HP large format media by visiting:

[www.hp.com/uk/startright](http://www.hp.com/uk/startright)

## HP Care Pack Services

Get the support you need to stay up and running. HP Care Pack Services extends and expands your standard product warranty with a range of product packages that allow you to make the most of your printing and imaging products. This means you no longer have to worry about printer maintenance. An HP Care Pack enables you to extend your warranty by up to 5 years. Please refer to the table below for recommended HP printers for GIS, AEC and MCAD users and their respective Care Packs.

HP Color LaserJet 5550 Printer series	HP Designjet 70 Printer	HP Designjet 110plus Printer series	HP Designjet 130 Printer series	HP Designjet 500/500ps Printer series	HP Designjet 800/800ps Printer series	HP Designjet 1000plus Printer series	HP Designjet 4000 Printer series	HP Designjet 4500 Printer series	HP Designjet 4500mp	HP Designjet 4500 Scanner	HP Designjet 5500 Printer series (42-inch)	HP Designjet 5500 Printer series (60-inch)
H2691A/E					H4701A/E	H2816A/E	H2816A/E	UD637A/E	UD894A/E		H5653A/E	H5654A/E
H5549A/E	U3477A/E	U3477A/E	U3477A/E	H5652A/E	H5729A/E	H5655A/E	H5655A/E	UD631A/E	UD644A/E	UD900A/E	H5504A/E	H5505A/E
H2686E				H3642E	H3639E	H3628E	H3628E	UD632E	UD645E		H3615E	H3601E
H2687E				H3643E	H3640E	H3629E	H3629E	UD633E	UD646E		H3616E	H3602E
U2035PA/PE								UD642PA/PE	UD899PA/PE			H5740PA/PE
H3184PA/PE	U4662PA/PE	U4662PA/PE	U4662PA/PE	H4610PA/PE	H4609PA/PE	H4608PA/PE	H4608PA/PE	UD640PA/PE	UD897PA/PE	UD901A/E	H4607PA/PE	H4606PA/PE

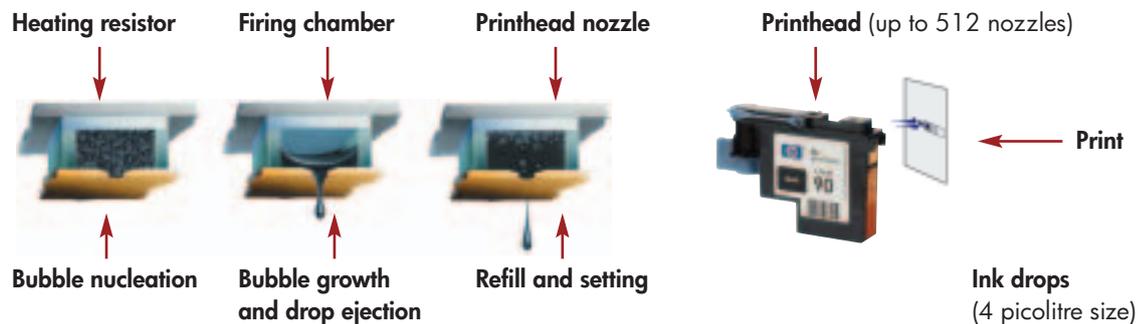
# HP technologies



## HP print technologies

### HP Thermal Inkjet Technology

HP Thermal Inkjet Technology provides the ideal balance of a high-quality colour result and low cost. Here's how it works: Ink flows into the printhead chamber, where a thin film of ink is heated by a resistor. This creates a large vapour bubble, which forces a drop of ink out of the firing hole. The resistor then cools and, after about 3 microseconds, the bubble collapses, forcing the ejected drop onto the paper. Surface tension then draws fresh ink into the chamber ready to start the process again – up to 36,000 times every second!



### HP ink technology

HP inks are complex substances that are specifically formulated to deliver perfect results with HP printers. Significant investment goes into the formulation, analysis and testing of every new HP ink – and only when maximum print quality can be assured is an ink approved to carry the HP name.

For example, HP 83 UV pigment-based inks deliver the most brilliant, photo-realistic images and vivid, full-colour graphics. In addition to the normal cyan, magenta, yellow and black, they also include light cyan and light magenta – giving you a wider colour gamut and smoother colour transitions.



### Introducing new technologies to market: HP Double Swath Technology

HP Designjet 4000 and 4500 Printers come with an innovative writing system. HP Double Swath Technology doubles the number of printhead nozzles by placing them in a staggered formation. This staggering allows the printer to cover two print paths in one single pass, resulting in a faster print output. Highest print quality and product robustness is also secured thanks to an advanced platen design that features several innovative breakthroughs.

The total printing performance is influenced both by the mechanical printing speed and the time needed to process the data. The powerful hardware, along with built-in algorithms, can dramatically reduce the overall printing time. It significantly improves productivity, especially for large bitmap data (visualisations) or complex vector and bitmap files (maps).

HP Designjet 4000, 4500 and 5500 Printer series come with an embedded processor and up to 256 MB or 512 MB of memory. Together with the 40-GB hard disk drive, it allows complex print jobs to be printed quickly and provides a simultaneous processing and printing capability.



# Powerful processing

Type	Total time	Format	Print sample details
<b>HP Designjet 5500 Printer series</b>			
Colour print 	8'08" Production mode 	100 x 80 cm	Original: 67.8 MB TIFF file Resolution: 170 dpi Mode: Production
<b>HP Designjet 4000 Printer series</b>			
Colour print 	7'15" Best mode 	61 x 67 cm	Original: 200 MB TIFF file Resolution: 300 dpi Mode: Best
<b>HP Designjet 4500mfp</b>			
Full colour graphics original Colour copy 	11'27" Best mode 6'47" Normal mode	A0	Scan resolution: Best mode: 300 x 300 dpi Normal mode: 200 x 200 dpi Media type: Coated Optimise for: Images
Black & white line drawing Mono copy 	2'02" Normal mode 1'28" Fast mode	A0	Scan resolution: Normal mode: 200 x 200 dpi Fast mode: 150 x 150 dpi Media type: Bright White Optimise for: Text/Drawings



## HP Facility Management features

### For the HP Designjet 4000/4500 Printer series

Accurate job tracking is crucial in the reprographic market. The new HP cost-tracking feature provides this with unsurpassed reporting and simplified ease of use. The HP Facility Management solution tracks ink and media consumption for each print and defines it as one of four categories.

The resulting accounting data can be viewed instantly or e-mailed automatically from the printer. Repro-houses and departments can use this information to optimise colour print costs to stimulate demand. The automatic usage report is also ideal for environments where printers are leased on a pay-per-use charge.

HP Facility Management provides greater job transparency for repro-houses and clients, as well as suppliers. Greater value helps bring the power of colour to all (see page 8 and 9).

### Example of usage report provided by the printer for a certain tracking period

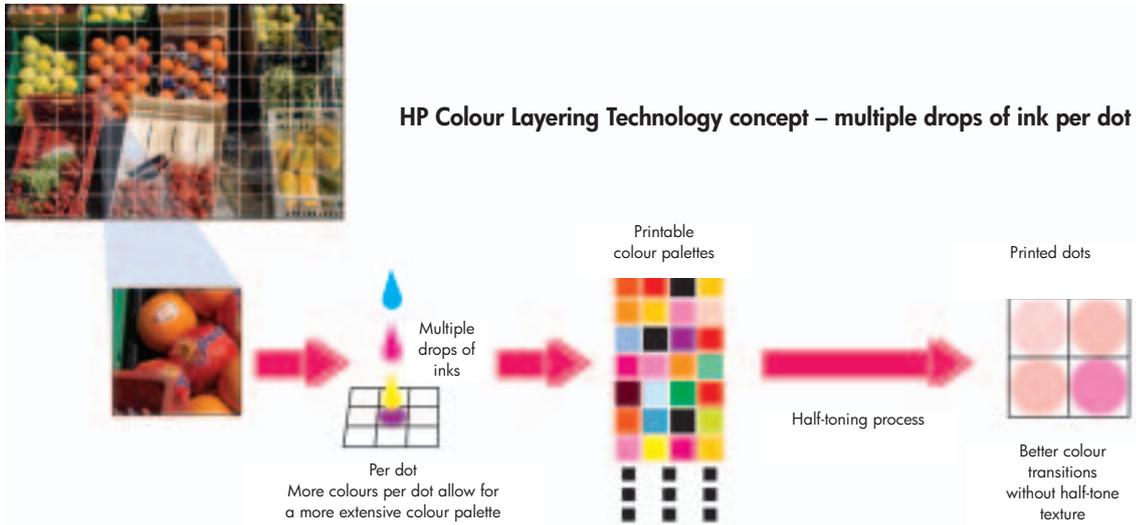
Ink consumption category (ml of ink per m <sup>2</sup> )	Total m <sup>2</sup> printed	Typical plot
A (0–0.5)	26.1	Low coverage line drawing (common technical plot)
B (0.5–2)	13.4	High coverage line drawing
C (2–5)	5.4	Maps or low coverage renders
D (5–10)	2.3	Renders or photographs
<b>Total</b>	<b>47.2</b>	

# HP professional colour technologies

Consistency of colour is critical to the success of your business. You need the exact colours you use on screen to translate to the colours you see on your printouts. HP delivers with the following technologies:

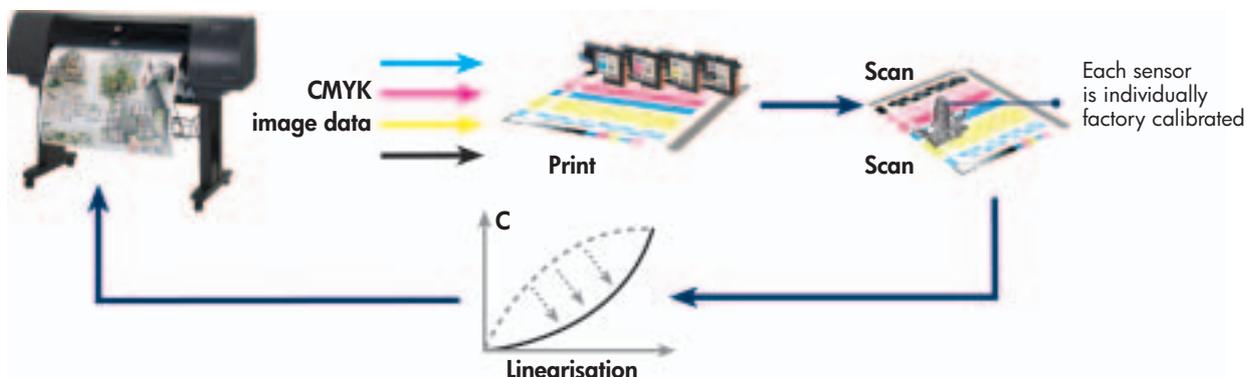
## HP Colour Layering Technology

HP Designjet printers print more levels of colour intensity per dot with HP Colour Layering Technology. These colour shades can be layered to increase the number of colours on the printer's palette. It also controls the amount of ink for each primary colour applied to each print position, yielding a greater range of colours, lighter tones and smoother gradients.



## Automatic closed loop colour calibration

Using automatic closed loop colour calibration processes, HP Designjet printers can ensure accurate and consistent colour reproduction from printer to printer and print to print. A narrow-band LED light source is used to illuminate primary colour tiles. The reflected light is measured by a colour sensor and adjustments, based on the measurements, are made to the amount of primary ink used.



Closed loop colour calibration produces excellent colour consistency, printer to printer, print to print

# HP print management tools

Streamlined management and improved usability with the HP Embedded Web Server for HP Designjet 4000, 4500 and 5500 Printer series



### Job preview

#### Easy to access and manage

HP Embedded Web Server provides a universal printer interface accessible via any web browser. It allows you to view status information, set network configurations, receive status notifications and troubleshoot the device remotely.

#### Driverless printing

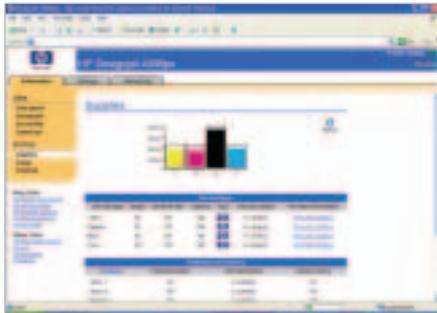
Save time with the convenient driverless multi-file printing workflow, independent of the operating system. Upload files, change settings, print and store various formats including TIFF, JPEG, HP-RTL and HP-GL/2, Adobe® PostScript and PDF.

#### Costs under control

For every job, the printers track ink and media consumption. The detailed list of jobs and the user names is available through the accounting feature. Usage reports quantify the consumption within a given period of time. The new Autosend feature e-mails both usage summary and detailed job accounting data to a specified address making the cost tracking more convenient.



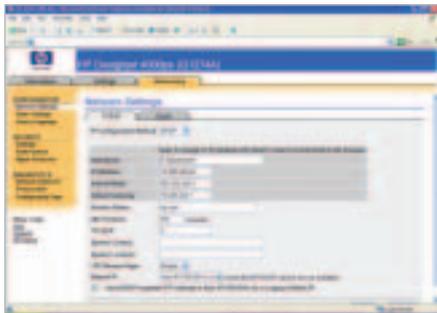
### Accounting



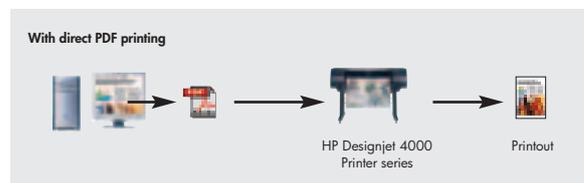
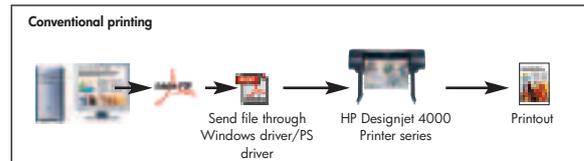
### Supplies information

#### Enhanced print management

You can remotely queue multiple files directly for printing, change queue sequence, delete jobs and add jobs or copies, all from your web browser. Print jobs with multiple pages or varied sizes can be "nested" ensuring the most efficient use of media.



### Network settings



Direct PDF printing is convenient and simple

The HP Embedded Web Server enables printer management from anywhere on the network

## Trusted partners

No matter how unique your requirements are, we can work with our network of partners – which includes leaders in software applications, specialist hardware solutions and customised services – to develop, integrate and deliver the right solution for you.



# Get colour prints faster and cheaper than ever before

## HP Designjet 4500 Printer series

The unbelievable made real.

For repro-houses, profit lies at the point where productivity, margins and service intersect. Improve productivity and margins, while enhancing service and reducing charges, then you create a win-win solution for you and your customers. With the HP Designjet 4500 Printer series, this is possible – by creating colour prints faster and cheaper than on any other colour printer or low-volume LED device.

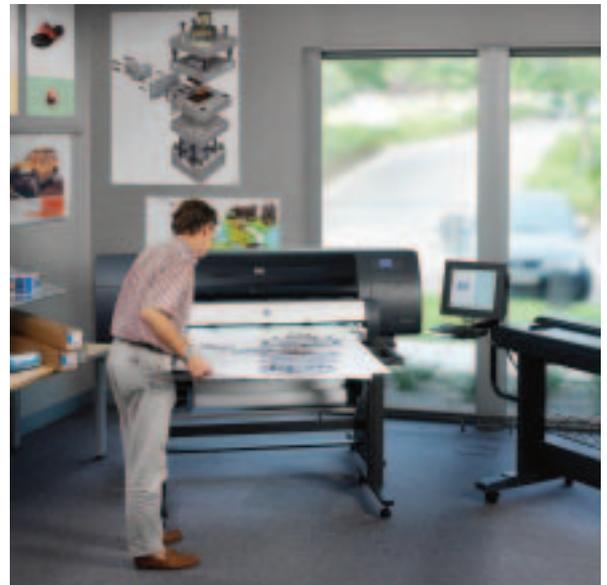
Ideal for all technical applications, the latest addition to the HP Designjet family particularly suits the low-cost, high-volume demands of reprography environments. Based on HP innovations such as unique HP Double Swath Technology, the HP Designjet 4500 dramatically cuts your printing time as well as ink consumption. This efficient system of staggered printheads achieves breakthrough results – up to 100 A1 colour or mono prints per hour.

And the HP Designjet 4500 is not only distinguished by outstanding lines and razor-sharp colour, it uses up to three times less consumables per colour line print than LED mono devices. This means up to half the running costs per page compared to low-volume LED printer – a distinct competitive edge.

### Unattended production enhances productivity.

The HP Designjet 4500 offers improved total cost of ownership (TCO) – and not only through advanced technology. The design enables maximum operator productivity. Two built-in roll feeds can each hold an assortment of media types and roll lengths, including up to 152.4 metre rolls. With fast, automatic switching between rolls, this means a minimum of six hours without operator intervention (see page 19 for further specs).

High-volume ink cartridges, an optional flattening stacker and an in-line folder enhance unattended printer operation. Holding up to 200 A0 plots and synchronised with the printer, the stacker means no intervention is required for at least four hours – enabling reliable overnight printing of large print runs.

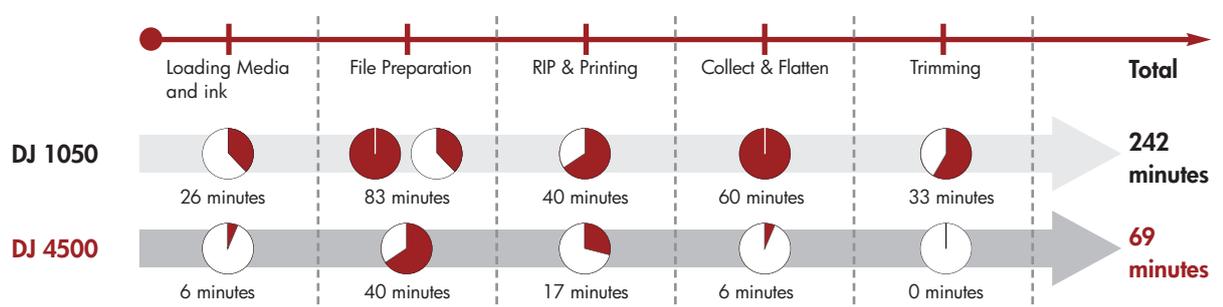


“We often get requests for printing late in the working day for return early the next working day. This used to mean late night or weekend working. With the HP Designjet 4500, this is no longer necessary. For example, we received 60 A1 plots at 5 pm and they were with the client by 8 pm.”

John Jury, Financial Director,  
Repro Graffix, London, UK

### Operator Time Savings\*\*

Average job of 200 A1-size prints/day



NEW



**“We believe we can recover our printer investment in one year.”**

Roy Clark,  
Sales Director,  
Repro Graffix,  
London, UK

### Improvements all along the workflow

Advancements are evident all along the workflow. Not only in terms of plot printing, stacking and collation, and folding, but also in simultaneous file processing and printing.\* This shortens turnaround, and improves cost-efficiency and profitability. In addition, the HP Designjet 4500 simplifies the printing workflow with metric-sized (A1 and A0 roll width) HP Universal Bond Paper – so no manual and time-consuming trimming is required. An HP Embedded Web Server further eases operation by enabling remote printer management capabilities that provide current job preview, printer and supplies status reporting, and alerts.

These time-saving features mean you can produce double the prints in the same time with no increase in labour.\*\* High-throughput colour printing and low running costs are complemented by advanced copying and scanning capabilities, with either a large format scanner or as part of a fully featured print/scan/copy HP Designjet 4500mfp.

### Reliably fast, predictably accurate

While the ease-of-operations and profits offered by colour are attractive to offset eroding margins on mono plots, the HP Designjet 4500 can greatly assist in-house repro departments. While the printer reduces printing costs and increases efficiency, the extended accounting and facility management features improve printing cost transparency (see page 5 for further details).

And, as the HP Designjet 4500 is based on proven HP technology, no expensive regular maintenance is required. The HP Designjet 4500 simply prints, prints and prints. If a problem arises, a one-year warranty with on-site, next business day service ensures fast correction – and you can extend to three, four or even five years with HP Care Pack contracts.

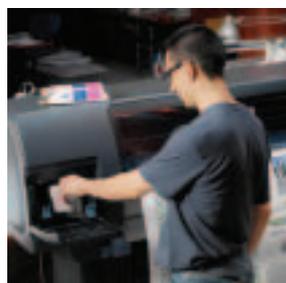
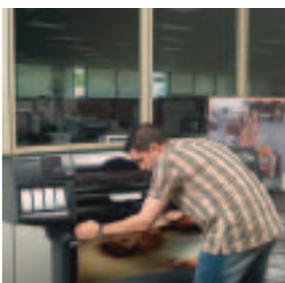
The HP Designjet 4500 is the unbelievable made real. It delivers high-quality colour prints faster and at a significantly lower cost. Plus it saves you operations time. When coupled with the facility management capabilities, it provides a total printing engine to power business growth.

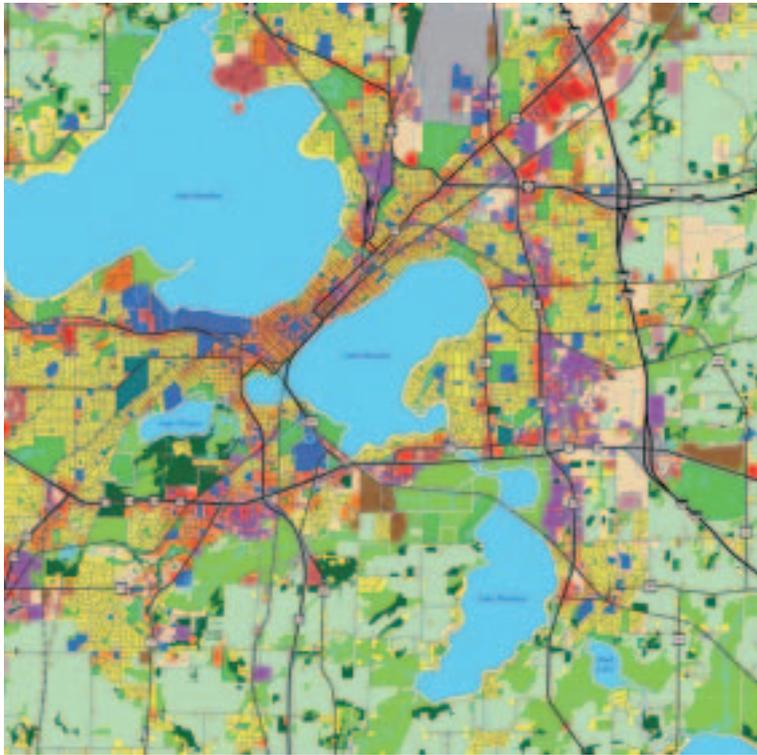
\* HP works with the following ISV/IHV partners to ensure optimal workflow management: Adobe and Autodesk (PDF and DWF files); Contex and ES-TE for scanner and folder accessories; and Ratio and SCP for plot management software applications

\*\*Based on customer feedback and printer specification for the HP Designjet 1000 compared to the HP Designjet 4500

**“We are able to charge 30% less for colour with the HP Designjet 4500, and can meet deadlines. We are getting more opportunities to do big jobs because we can offer competitive prices and deliver quality with a good turnaround.”**

John Jury, Financial Director, Repro Graffix, London, UK





# HP large format printing solutions for GIS users

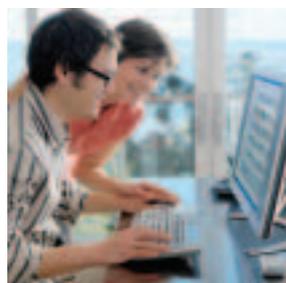
Geographic information systems (GIS) refer to the wide range of technologies, products and services that enable users to perform computerised analysis and the querying and displaying of geo-relational data.

The main application/purpose of large format printing in a GIS environment is to produce detailed thematic maps with geoscientific data and thermal imagery. However, these can take many different forms depending on the specific output requirements of the various submarkets.

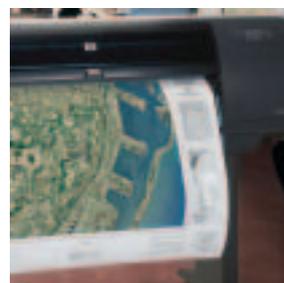
HP understands that the needs of a utility, telecoms or mining company will be different to those of local/regional governments and big businesses. Therefore, we offer a range of large format printing systems to meet your varied needs – as detailed in the table on the opposite page.

## Workflow

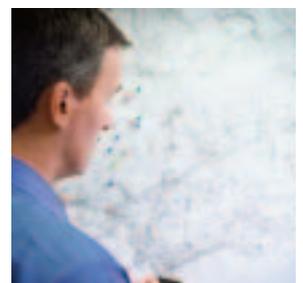
Project bid



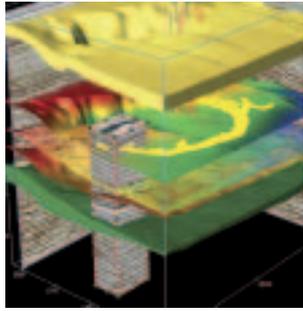
Build the GIS



Exploit the GIS



Sectors	Utilities, telecom
Description	AM/FM, network analysis, site development
Output	AM/FM-type output, maintenance maps
Requirements	Mixing of raster imaging and vector data, line accuracy
Recommended hardware	<p><b>HP Designjet 4000/4500 Printer series</b> The HP Designjet 4000/4500 Printer series can produce detailed outputs using a mixture of raster imaging and vector data. Includes an HP Embedded Web Server that enables remote printer management to keep costs under control. <b>Print Volume:</b> Above 100 plots per day to cover peak printing requirements for 4000, up to 200 plots without any printer attention on 4500 with optional HP Designjet 4500 Stacker <b>Formats:</b> A1, A0 or up to 1067 mm wide</p> <p><b>HP Designjet 1000plus Printer series</b> For Utilities and Telecom experts that print lower print volumes, yet still require precise B&amp;W and colour line drawings at a high speed, the HP Designjet 1000 Printer series is a good choice. <b>Speed:</b> 50–100 mono and colour line drawings per day <b>Formats:</b> A1 and A0</p>
HP Designjet 5500 Printer series	
HP Designjet 4500 Printer series	●
HP Designjet 4000 Printer series	●
HP Designjet 1000plus Printer series	○
HP Designjet 800 Printer series	
HP Designjet 500 Printer series	
HP Designjet 130 Printer series	
HP Designjet 110plus Printer series	
HP Designjet 70 Printer	
HP Business Inkjet 2800 Printer series	
HP Color LaserJet 5550 Printer series	
ISV/IHV <sup>2</sup> partners	ESRI/GE smallworld/Intergraph
Media family	HP Bond and Coated Papers HP Technical Papers and Films HP Super Heavyweight Plus Matte Paper



Oil and gas exploration, mine map making

Local government, municipal land records, regional government

Site selection, geo-marketing, insurance studies

Geoscientific data, thematic maps, AM/FM-type output

Urban, thematic and demographic maps

Land planning, geo-marketing, geo-engineering

Scanned images, archiving and copying digital files and printed results of GIS analysis

Image complexity, colour accuracy, high-quality, durable prints

Image complexity, colour accuracy, mixing of raster imaging and vector data

Productivity, image quality, media flexibility, versatility

High-resolution scanning, large format copying, high-quality printing and archiving with no compromise on accuracy

**HP Designjet 5500 Printer series**  
The Designjet 5500 Printer series is the ultimate printing solution for professionals in the natural resources or oil/gas exploration fields, who work with large data files and require no compromise on image quality or colour accuracy.  
**Speed:** Up to 50 photo quality durable plots per day  
**Formats:** Up to 1524 mm wide

**HP Designjet 4000/4500 Printer series**  
The HP Designjet 4000/4500 Printer series reproduces data in highly accurate prints at high speeds, and with absolutely no compromise on quality.  
**Print Volume:** Above 100 plots per day to cover peak printing requirements for 4000, up to 200 plots without any printer attention on 4500 with optional HP Designjet 4500 Stacker  
**Formats:** A1, A0 or up to 1067 mm wide

**Any HP Designjet Printer**  
HP has developed a full range of large format printers. All HP Designjets are ideal for the business GIS section.

**HP Designjet 4500mfp**  
The HP Designjet 4500mfp's integrated copy system features real-time printer, media and queue information in the scanner user interface. Get outstanding copy and scan performance with a scan speed of 76 mm (3") per sec in colour and 254 mm (10") per sec in black-and-white, 2 A1-size copy printing in under 1 minute and excellent image quality (508 dpi optical resolution). User-friendly operation with 15" touch-screen graphical display. Easy to integrate with third-party scan applications.

**HP Designjet 4000/4500 Printer series**  
For printing of a mixture of raster imaging and vector data at very impressive speeds, we recommend the HP Designjet 4000/4500 Printer series, which includes an HP Embedded Web Server for remote printer management to keep costs under control.  
**Print Volume:** Above 100 plots per day to cover peak printing requirements for 4000, up to 200 plots without any printer attention on 4500 with optional HP Designjet 4500 Stacker  
**Formats:** A1, A0 up to 1067 mm wide

**HP Designjet 5500 Printer series**  
For ultimate image quality and UV-durable printing, the HP Designjet 5500 Printer series can greatly assist any government department.  
**Speed:** Up to 50 photo quality durable plots per day  
**Formats:** Up to 1524 mm wide

**HP Color LaserJet 5550 series**  
Affordable solution for production of hand-outs for information sharing, planning material and documentation up to A3 in GIS departments. High output quality, low cost per page.  
**Speed:** 28 ppm A4 (14 ppm A3)  
**Formats:** Up to A3

**Print Volume:** Up to 200 plots without any printer attention on 4500 with optional HP Designjet 4500 Stacker  
**Formats:** A1, A0 or up to 1067 mm wide

**Business Inkjet 2800 Printer series**  
The powerful work team A3+ colour printer.  
**Speed:** Up to 12 ppm A3 (mixed text/colour graphics)  
**Formats:** Up to A3+

**HP Color LaserJet 5550 series**  
Affordable solution for production of hand-outs for information sharing, planning material and documentation up to A3 in GIS departments. High output quality, low cost per page.  
**Speed:** 28 ppm A4 (14 ppm A3)  
**Formats:** Up to A3



ESRI/GE smallworld/Mapinfo

ESRI

Google/Mapinfo

Context/Ratio/Caldera

HP Bond and Coated Papers  
HP Technical Papers and Films  
HP Backlit Materials

HP Bond and Coated Papers  
HP Technical Papers and Films  
(HP Backlit Materials)

HP Bond and Coated Papers  
HP Technical Papers and Films  
HP Backlit Materials/HP Photo Papers

HP Bond and Coated Papers  
HP Technical Papers and Films

<sup>1</sup> Independent Software Vendor

<sup>2</sup> Independent Hardware Vendor

● Primary choice

○ Secondary choice

“Every new generation of HP printing products brings enhancements that are sure to be one step ahead of the competition. The HP Designjet 5500, used with the right HP media and inks, offers an unrivalled combination of rapid printing and sharp, accurate, light-fast colours.”

Hana Stellarová, Manager, Department of Agricultural and Industrial Mapping,

Ekotoxa Opava on the map with HP Designjet, p.1, Pub. No.: 5982-1443EEE, 09/03



“We’re always rushing to meet deadlines, especially in the project bidding phase. The HP Designjet 4500 offers us improvements in quality and speed, which helps us to portray a more professional image.”

Jordi Garrote i Manjon,  
IT manager, Area  
Metropolitana de  
Barcelona

## HP large format printing solutions for AEC users

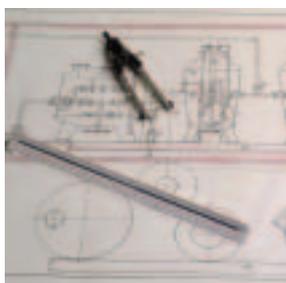
Architecture, engineering and construction (AEC) companies are employed to design, build or maintain large physical structures – such as houses, buildings and communication networks (roads, bridges, railways, ports, airports). They also encompass property management and real estate companies, and public sector projects like school architecture and facilities departments.

The main application/purpose of large format printing for AEC users is to produce highly detailed drawings and renderings – in both colour and black and white – that are essential in winning bids, reviewing designs, obtaining approvals and showing project specifications.

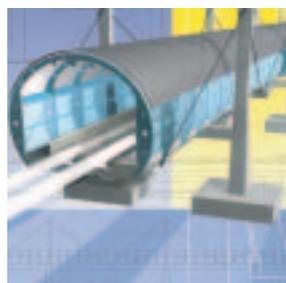
HP large format printing systems enable AEC users to print these detailed drawings and renderings in quick time, with excellent line and image quality, while also offering unattended printing, ease of use and a broad range of supported media.

### Sector examples

Architecture  
(Foster & Partners, HOK)



Civil engineering  
(Parsons-Brinckerhoff, Typsa)

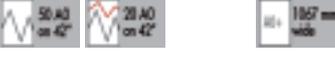


Construction  
(Turner Corporation, Aecsa)



Property management, real estate  
(FM Global)



Workflow	Project bid	Design	Execution
			
Description	Bidding for public or private projects against competitors; presenting high-quality drawings to the client	Presenting evolutionary concepts to the client for approval that illustrate the design details	Covering all the legalities such as the signing of permits; executing and finalising the project
Output	Graphic design (Photoshop, InDesign, PowerPoint), drawings, renderings, photos, proposals	Conceptualisation, design and analysis through renderings and drawings (produced in CAD applications such as AutoCAD, MicroStation, Allplan, SmartSketch)	Project delivery, information sharing, proofing/checking, contract agreements, legal reference
Requirements	Large format, colour, photo quality, choice of media	Large format, both black and white and colour, high-speed printing, highly detailed and accurate results	Large format, high-volume printing, black and white, independent of CAD applications (need compatibility with TIFF, HPGL2, Autodesk and PDF viewers)
Recommended hardware	<p><b>Designjet 5500 Printer series</b> For ultimate image quality and UV-durable printing</p> 		
<b>Designjet 4500 Printer series</b> The ideal colour production system with large input and output capacity for technical applications			
<b>Designjet 4000 Printer series</b> Fast printing with outstanding line/image quality			
<b>Designjet 1000plus Printer series</b> Amazing image quality, high printing speeds and unattended operation			
<b>Designjet 800 Printer series</b> The professional choice for ultimate line and photo quality			
<b>Designjet 500 Printer series</b> The professional choice for ultimate line and photo quality			
<b>Designjet 130 Printer series</b> Fade-resistant <sup>1</sup> photo-quality images with vibrant, accurate colours, from postcards to posters			
<b>Designjet 110plus Printer series</b> Versatile, affordable multi-format colour			
<b>Business Inkjet 2800 Printer series</b> The powerful work team A3+ colour printer			
<b>HP Color LaserJet 5550 Printer series</b> Low-cost colour detail check prints of line drawings and renderings. Ultra-fast and affordable			
<b>HP LaserJet 5100 Printer series</b> Low-cost monochrome printouts of line drawings and documentation material up to A3+ for information sharing			
ISV <sup>3</sup> /IHV <sup>4</sup> partners	Microsoft®, Adobe®, Quark, Corel	Autodesk, Bentley Software	Adobe, Autodesk, Context, Ratio
Media family	HP Bond and Coated Papers, ie HP Super Heavyweight Plus Matte Paper, HP Universal Bond Paper (metric sizes long rolls)/HP Technical Papers and Films/HP Photographic Papers/HP Proofing Papers	HP Photographic Papers/HP Proofing Papers – but sometimes HP Technical Paper and Films too	HP Bond and Coated Papers, ie HP Super Heavyweight Plus Matte Paper, HP Universal Bond Paper (metric sizes long rolls)/HP Technical Papers and Films/HP Photographic Papers/HP Proofing Papers

<sup>1</sup> Up to 82 years, based on Wilhelm Imaging Research, Inc. testing using HP 85 Ink Cartridges together with HP Premium Plus Photo and Gloss Proofing Paper

<sup>2</sup> 10–20 photo quality long lasting A1/day <sup>3</sup> Independent Software Vendor <sup>4</sup> Independent Hardware Vendor

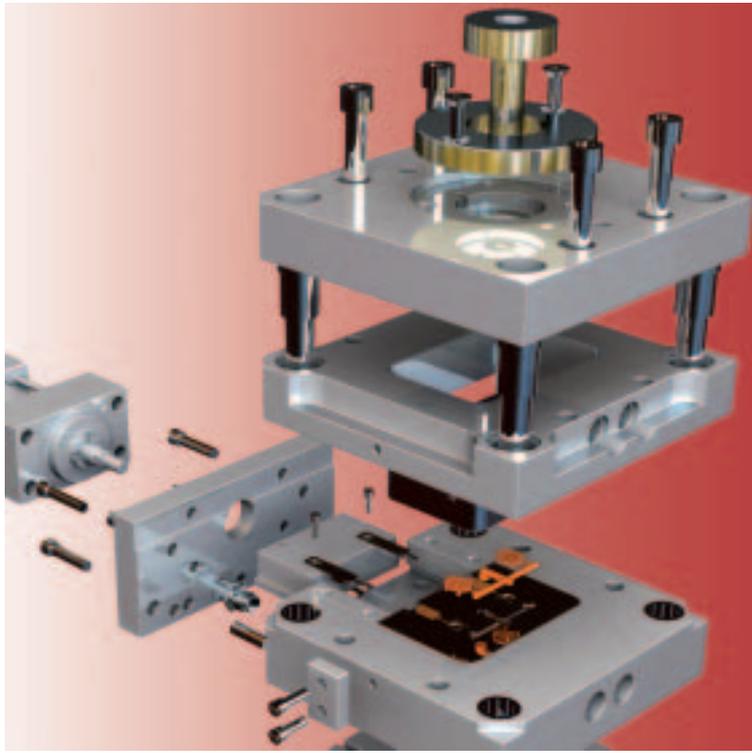
 Mono line drawings (Maximum sheets per day)\*

 Colour line drawings (Maximum sheets per day)\*

 Visualisations (Maximum sheets per day)\*

 Formats (up to...)

\* Approximate figures to demonstrate the maximum daily capacity over peak periods, e.g., during execution phases



“Before, when printing in monochrome I needed to print several plots. Now, one colour plot is all I need for a clear and attractive presentation. Printing in colour saves me an hour a week. The printer saves me work and it prints quality output; all of which is a big plus for me.”

Carlos Viquer,  
Engineer, SEAT

## HP large format printing solutions for MCAD users

Mechanical computer aided design – or MCAD – describes the creation of models and drawings using computer-aided design (CAD) programmes.

The main application/purpose of large format printing for MCAD users is to produce high-quality colour images combined with high-resolution line drawings. Users need to print from a variety of CAD software applications, and do it quickly in order to meet tight project deadlines. Plus, they need to reduce expenditure on outsourced printing, and have the flexibility to print on different sizes and types of media.

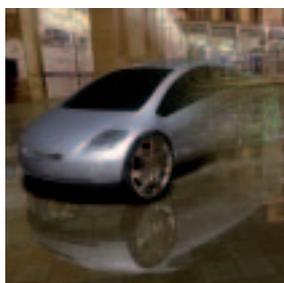
HP understands these needs. We also understand that there are various submarkets within the MCAD sector that have further, more specific needs. For example, the printing processes employed by an aerospace and automotive/naval manufacturer will be different to those of an industrial manufacturer or an organisation that designs consumer products. Which is why we offer a full portfolio of large format printing systems to match.

### Sector examples

Aerospace/automotive/  
naval design (Boeing, Airbus)



Industrial design  
(Omnica Corp.)

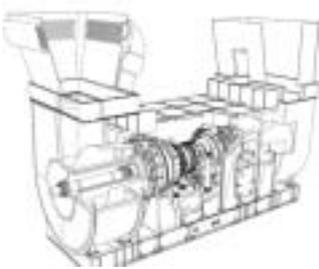
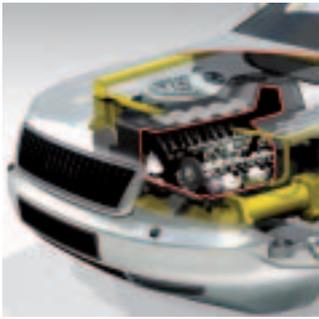


Consumer product design  
(GE, Samsung)



Industrial-electrical machinery/  
fabricated metal (Caterpillar)



Workflow	Project bid	Design	Execution
			
Description	Selling your ability to do the job, presenting ideas/drawings to gain client interest	Presenting more detailed concepts to the client for approval	A collaborative phase where information is created, shared and destroyed in large volumes
Output	Drawings, renderings, photos, project presentations	Large and small format, colour and black and white, high volume	Large and small format, high-speed, high-quality printing
Requirements	Large format, colour, photo quality, choice of media	Large format, both black and white and colour, high-speed printing, highly detailed and accurate result	Large format, big-volume printing, black and white, independent of CAD applications (need compatibility with TIFF, HPGL2, Autodesk and PDF viewers)
Recommended hardware	<p><b>Designjet 4500 Printer series</b> The ideal colour production system with large input and output capacity for technical applications</p> <p><b>Designjet 4000 Printer series</b> Fast printing with outstanding line/image quality</p> <p><b>Designjet 1000plus Printer series</b> Amazing image quality, high printing speeds and unattended operation</p> <p><b>Designjet 800 Printer series</b> The professional choice for ultimate line and photo quality</p> <p><b>Designjet 130 Printer series</b> Fade-resistant<sup>1</sup> photo-quality images with vibrant, accurate colours, from postcards to posters</p> <p><b>Designjet 110plus Printer series</b> Versatile, affordable multi-format colour</p> <p><b>Business Inkjet 2800 Printer series</b> The powerful work team A3+ colour printer</p> <p><b>HP Color LaserJet 5550 Printer series</b> Low-cost colour detail check of prints of line drawings and renderings. Ultra-fast and affordable</p> <p><b>HP LaserJet 5100 Printer series</b> Low-cost monochrome printouts of line drawings and documentation material up to A3+ for information sharing</p>	        	        
ISV <sup>3</sup> /IHW <sup>4</sup> partners	Microsoft, Adobe, Quark, Corel	Autodesk, Dassault, Solidworks, UGS, PTC	Adobe, Autodesk, Context, Ratio
Media family	HP Bond and Coated Papers, i.e. HP Super Heavyweight Plus Matte Paper, HP Universal Bond Paper (metric sizes long rolls)/HP Technical Papers and Films/HP Photographic Papers/HP Proofing Papers	HP Photographic Papers/HP Proofing Papers – but sometimes HP Technical Paper and Films too	HP Bond and Coated Papers, i.e. HP Super Heavyweight Plus Matte Paper, HP Universal Bond Paper (metric sizes long rolls)/HP Technical Papers and Films/HP Photographic Papers/HP Proofing Papers

<sup>1</sup> Up to 82 years, based on Wilhelm Imaging Research, Inc. testing using HP 85 Ink Cartridges together with HP Premium Plus Photo and Gloss Proofing Paper

<sup>2</sup> 10–20 photo quality long lasting A1/day <sup>3</sup> Independent Software Vendor <sup>4</sup> Independent Hardware Vendor

 Mono line drawings (Maximum sheets per day)\*

 Colour line drawings (Maximum sheets per day)\*

 Visualisations (Maximum sheets per day)\*

 Formats (up to...)

\* Approximate figures to demonstrate the maximum daily capacity over peak periods, e.g., during execution phases

“You can easily compare the different sections of the plot when printing in colour with the HP Designjet 4500, and it helps us to communicate our ideas.”

Carlos Viquer, Engineer, SEAT

# The HP wide format printer portfolio

## A3 versatile printers



	HP Business Inkjet 2800 Printer series	HP LaserJet 5100 Printer series	HP Color LaserJet 5550 Printer series
<b>Product description</b>	A powerful, cost-efficient, A3+ printer series that delivers low running costs through individual high-capacity ink cartridges, exceptional print quality and professional networking for small work teams.	A superior A3 printer that provides high-quality monochrome laser printing, fast and reliably. You can meet your office printing needs flexibly, producing documents on a large variety of media types and sizes.	Create impressive colour documents easily with this simple-to-use, wide-format laser printer. With its proven design, high performance and flexible features, the HP Color LaserJet 5550 Printer series meets the needs of dynamic workgroups.
<b>Ordering information</b>	2800: C8174A 2800dt: C8163Ap 2800dtn: C8164A	5100: Q1860A 5100tn: Q1861A 5100dtn: Q1862A	5550: Q3713A 5550n: Q3714A 5550dn: Q3715A 5550dtn: Q3716A 5550hdn: Q3717A
<b>Format</b>	Up to A3+	Up to A3+	Up to A3
<b>Print speed (max. speed)</b>	A3: up to 12 ppm (mixed text/colour graphics)	A4: up to 22 ppm A3: up to 11 ppm	A4: up to 28 ppm A3: up to 14 ppm
<b>Print quality</b>	Black: up to 1200 x 600 dpi Colour: up to 4800 x 1200 optimised dpi	Prores 1200	HP Imageret 3600, up to 600 x 600 dpi
<b>Interface and connectivity</b>	1 parallel port, 1 USB port, 1 EIO slot Optional: HP Jetdirect Print Servers (620n, 625n, 680n, ew2400, 500x, 300x, 380x, en3700)	1 parallel port, 2 open EIO slots LJ 5100tn/dtn: 1 parallel port, 1 open EIO slot, HP Jetdirect (EIO) Print Server for Fast Ethernet 10/100 Base-TX	1 parallel port, 1 USB port, jetlink, 3 EIO slots, HP Jetdirect 620n Internal Print Server
<b>Memory</b>	96 MB, expandable to 544 MB	5100: 16 MB, expandable to 192 MB 5100tn/dtn: 32 MB, expandable to 192 MB Optional: 10-GB hard disk	5550/n/dn: 160 MB 5550dtn/hdn: 288 MB Expandable to 544 MB 20-GB HP EIO hard disk
<b>Duty cycle</b>	Up to 12,000 pages per month	Up to 65,000 pages per month	Up to 120,000 pages per month
<b>Special features</b>	HP Photoret III precision technology, Back-lit LCD, HP Remote Management Software (RMS) and Web Jetadmin	HP Web Jetadmin Accessible architecture for third-party solutions Next-business-day on-site warranty	HP Embedded Web Server and HP Web Jetadmin, HP Smart Printing Technology
<b>Media supplies</b>	Paper (plain, inkjet, photo), envelopes, transparencies, labels, cards (index, greeting)	HP Photo Laser Paper, HP Superior Laser Paper	HP Photo Laser Paper, HP Superior Laser Paper
<b>Ink supplies</b>	HP 10, 11 and 13 Ink Supplies	HP Ultraprecise Print Cartridge	HP Color LaserJet Smart Print Cartridges
<b>Care Packs*</b>	Up to Next-Business-Day On-site Response	Up to On-site Response within 4 hours of call (8 am–9 pm)	Up to On-site Response within 4 hours of call (8 am–9 pm)

\* For more detailed information on HP Care Packs, please refer to the table on page 2/3

## Affordable wide format printers



vivera  
HP INK®

	<b>HP Designjet 70 Printer</b>	<b>HP Designjet 110plus Printer series</b>	<b>HP Designjet 130 Printer series</b>
<b>Product description</b>	Expand your vision and bring your work to life with this cost-effective, easy-to-operate A2+ printer for everyday CAD and business printing.	The versatile, budget-friendly multi-format colour printer that prints from A5 to A1+.	Focus on your creativity and represent your ideas with convincing colours and fade-resistant photo-image quality – in all sizes up to A1+.
<b>Ordering information</b>	70: Q6655A	110plus: C7796D 110plus nr: C7796E	130: C7791C 130nr: C7791D 130gp: C7791E
<b>Format</b>	Up to A2+	Up to A1+	Up to A1+
<b>Print speed</b> (max. speed)	A4: up to 11 ppm A3: up to 4 mpp (normal mode, glossy) A2: up to 44 spp (fast mode)	A4: up to 11 ppm A1: up to 90 spp (fast mode) 14.5 mpp (normal mode, glossy) 21.5 mpp (best mode, glossy)	A3: up to 4 mpp (normal mode, glossy) A1: up to 12 mpp (normal mode, glossy)
<b>Print quality</b>	Up to 1200 x 600 dpi	Up to 1200 x 600 dpi	Up to 2400 x 1200 dpi
<b>Interface and connectivity</b>	1 parallel port, 1 USB port, 1 EIO slot Optional: HP Jetdirect Print Servers (620n, 680n, 610n, 600n, 175x, 310x, 380x, en3700)	1 parallel port, 1 USB port, 1 EIO slot 110plus nr: HP Jetdirect 620n Internal Print Server Optional: HP Jetdirect Print Servers (620n, 680n, 610n, 600n, 380x)	1 parallel port, 1 USB port, 1 EIO slot 130nr/gp: HP Jetdirect 620n Internal Print Server Optional: HP Jetdirect Print Servers (620n, 680n, 610n, 600n, 175x, 310x, 380x)
<b>Memory</b>	64 MB	64 MB	64 MB
<b>Special features</b>	HP Colour Layering Technology, Black pigmented HP ink, HP Smart Printing Technology	HP Colour Layering Technology	HP Internal Colour Sensing Technology, EFI Designer Edition, automatic PANTONE® calibration, CMYK plus and offset emulation
<b>Media supplies</b>	HP Semi-gloss Proofing Paper, HP Matte Proofing Paper, HP Coated Paper	HP Coated Paper, HP Bright White Inkjet Paper**, HP Natural Tracing Paper**	HP Premium Plus Gloss Photo Paper, HP Premium Plus Satin Photo Paper, HP Matte Photo Paper
<b>Ink supplies</b>	HP 10, 11 Ink Supplies	HP 10, 11 Ink Supplies	HP 84, 85 Ink Supplies
<b>Care Packs*</b>	Up to Next-Business-Day On-site Response	Up to Next-Business-Day On-site Response	Up to Next-Business-Day On-site Response

\* For more detailed information on HP Care Packs, please refer to the table on page 2/3

\*\*With roll option

# The HP large format printer portfolio

## Easy-to-use large format printers



	<b>HP Designjet 500/500ps Printer series</b>	<b>HP Designjet 800/800ps Printer series</b>	<b>HP Designjet 1000plus Printer series</b>
<b>Product description</b>	This great-value professional printer for AEC and MCAD applications delivers ultimate line quality with continuous tones and smooth transitions – ideal for printing renders and graphics.	Professional and robust printer delivering ultimate photo quality with continuous tones, smooth transitions and a wide colour gamut. Complete with a “virtual computer” inside, the printer does all of the processing work and immediately frees up your own computer.	The HP Designjet 1000plus Printer series delivers unique productivity features, combining amazing image quality, breakthrough printing speeds, ease of use and unattended operation.
<b>Ordering information</b>	500 (610 mm/24-inch): C7769B 500 (1067 mm/42-inch): C7770B 500ps (610 mm/24-inch): C7769C 500ps (1067 mm/42-inch): C7770C	800 (610 mm/24-inch): C7779B 800 (1067 mm/42-inch): C7780B 800ps (610 mm/24-inch): C7779C 800ps (1067 mm/42-inch): C7780C	1050c plus: C6074B 1055cm plus: C6075B
<b>Format</b>	Up to A1 (610 mm/24-inch models) Up to A0 (1067 mm/42-inch models)	Up to A1 (610 mm/24-inch models) Up to A0 (1067 mm/42-inch models)	Up to A0
<b>Print speed (max. speed)</b>	A1-size line drawings: up to 90 sec Colour images: up to 7.9 m <sup>2</sup> /hr	A1-size line drawings: up to 60 sec Colour images: up to 7.9 m <sup>2</sup> /hr	Output Type: colour images Productivity: up to 13 m <sup>2</sup> /hr Best quality: up to 6.5 m <sup>2</sup> /hr
<b>Print quality</b>	Up to 1200 x 600 dpi	Up to 2400 x 1200 dpi (glossy media)	Black: up to 1200 x 600 dpi Colour: up to 600 x 600 dpi
<b>Interface and connectivity</b>	1 parallel port, 1 USB port. Optional: HP Jetdirect 620n Internal Print Server	1 parallel port, 1 USB port HP Jetdirect 620n Internal Print Server (Card for fast Ethernet 10/100 Base-TX) Optional: HP Jetdirect internal print servers	Centronics parallel, IEEE 1284-compliant (ECP), HP Jetdirect 620n Internal Print Server
<b>Memory</b>	16 MB, expandable to 160 MB	96 MB, expandable to 160 MB 6-GB hard disk	64 MB, expandable to 256 MB 1055cm plus: 7.5-GB hard disk 1050c plus: optional 2-GB hard disk
<b>Special features</b>	HP Colour Layering Technology, HP professional colour technologies	HP Colour Layering Technology, EFI Designer Edition XL RIP, developed for HP with 500ps series	CMYK colour emulation
<b>Media supplies</b>	HP Coated Paper, HP Universal Coated Paper, HP Universal Heavyweight Coated Paper	HP Bright White Inkjet Paper, HP Productivity Semi-gloss Photo Paper, HP Universal Bond Paper	HP Bright White Inkjet Paper, HP Coated Paper, HP Clear Film
<b>Ink supplies</b>	HP 10, 11, 82 Ink Supplies	HP 10, 11, 82 Ink Supplies	HP 80 Ink Supplies
<b>Care Packs*</b>	Up to Next-Business-Day On-site Response	Up to On-site Response within 4 hours of call (8 am–9 pm)	Up to On-site Response within 4 hours of call (8 am–9 pm)

\* For more detailed information on HP Care Packs, please refer to the table on page 2/3

## Production large format printers



NEW



	HP Designjet 4000 Printer series	HP Designjet 4500 Printer series	HP Designjet 5500 Printer series
<b>Product description</b>	Get high-speed printing – with rich, high-quality colour images and crisp, sharp black-and-white lines – at up to 100 A1 sheets per hour. Print up to 1067 mm wide and benefit from low operational cost and easy control via remote printer management.	Maximise productivity with the HP Designjet 4500 Printer series: the ideal colour production system for technical applications, with large input and output capacity for unattended printer operation and high performance scanning/copying capabilities.	The high-productivity solution to your large format printing needs, delivering true production speed, exceptional colour photo-quality images and reliable performance, with the added bonus of simplified workflow and increasing unattended operation.
<b>Ordering information</b>	4000: Q1273A, 4000ps: Q1274A	4500: Q1271A 4500ps: Q1272A 4500mfp: Q1276A	5500 (1067 mm/42-inch): Q1251A 5500 (1524 mm/60-inch): Q1253A 5500uv (1067 mm/42-inch): Q1251V 5500uv (1524 mm/60-inch): Q1253V
<b>Format</b>	Up to A0 – 1067 mm wide	Up to A0 – 1067 mm wide	Up to 914 x 1600 mm (42-inch) Up to 1524 x 1600 mm (60-inch)
<b>Print speed (max. speed)</b>	Up to 25 sec per A1/D 1.5 m <sup>2</sup> per minute 100 A1/D formats per hour	Up to 100 A1 pages per hour	Up to 52.9 m <sup>2</sup> / hr (coated)
<b>Print quality</b>	Up to 2400 x 1200 dpi	Up to 2400 x 1200 dpi	Up to 1200 x 600 dpi
<b>Interface and connectivity</b>	Fast Ethernet (10/100 Mbps), FireWire (IEEE-1394a compliant), 1 EIO slot Optional: HP Jetdirect 40d Gigabit Print Server, High Speed USB 2.0 card, HP Jetdirect Internal Print Servers (620n, 625n)	Fast Ethernet (10/100 Mbps), FireWire (IEEE-1394a compliant), 1 EIO slot Optional: HP Jetdirect 40d Gigabit Print Server for the HP Designjet 4000 Printer series, HP Designjet 4000 Printer series High Speed USB 2.0 card, HP Jetdirect 620n LAN Card	1 parallel port, HP Jetdirect 620n Internal Print Server Optional: HP Jetdirect Internal Print Servers (610n/ 620n), HP Jetdirect Connectivity Card, HP Jetdirect External Print Servers (500x, 300x, 170x)
<b>Memory</b>	256 MB, expandable to 512 MB 40-GB hard disk	256 MB, expandable to 512 MB 40-GB hard disk drive	5500: 128 MB, expandable to 256 MB; 5500ps: 256 MB 40-GB hard disk
<b>Special features</b>	HP Double Swath Technology, HP Colour Layering Technology, improved facility management features in HP Embedded Web Server	HP Double Swath Technology, HP Colour Layering Technology, improved facility management features in HP Embedded Web Server	HP Colour Layering Technology
<b>Media supplies</b>	HP Bright White Inkjet Paper, HP Coated Paper, HP Heavyweight Coated Paper	HP Bright White Inkjet Paper, HP Coated Paper, HP Universal Bond Paper – extra long roll & metric sizes, HP Super Heavyweight Plus Matte Paper	HP Photo Imaging Gloss Paper, HP Photo Imaging Satin Paper, HP Heavyweight Coated Paper
<b>Ink supplies</b>	HP 90 Ink Supplies	HP 90 Ink Supplies	HP 81 Dye and 83 UV Ink Supplies
<b>Care Packs*</b>	Up to On-site Response within 4 hours of call (8 am–9 pm)	Up to On-site Response within 4 hours of call (8 am–9 pm)	Up to On-site Response within 4 hours of call (8 am–9 pm)

\* For more detailed information on HP Care Packs, please refer to the table on page 2/3



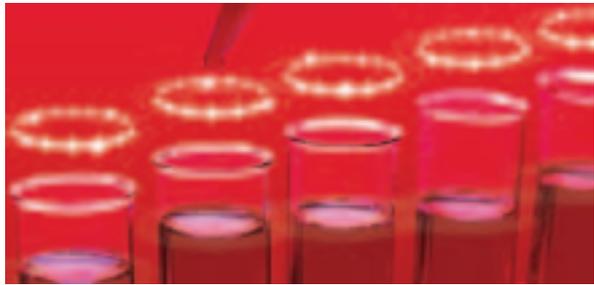
## The Power of Designjet Online

HP Designjet Online, accessible at [www.hp.com/go/designjet](http://www.hp.com/go/designjet), is an essential part of our HP large format system (printer/ink/media). It is a resource centre that we have devoted significant time and money to so that our customers can print great

images easily and use them to grow their large format printing business. HP Designjet Online provides:

- Product information and support
- Tools to help you grow your business (tips and tricks)
- Lots of other useful information

# HP supplies



## The science behind brilliant printing

The key to getting exceptional printing results is to choose HP printers, HP media and specialised HP inks. This is because our printers, print cartridges, inks and media are designed, developed and tested to work together – in an integrated printing system that delivers superior print quality, photo-realistic colour and fade-resistant prints with exceptional accuracy.

## Ink supplies

HP invented Thermal Inkjet Technology in 1979, and the process is now widely trusted by printing, design and other creative professionals looking for exceptional print quality.

In Thermal Inkjet Technology, the print cartridge quickly heats the ink to more than 299°C, creating a vapour bubble that expands to eject a tiny ink droplet at over 30 mph. In fact, for two-millionths of a second, HP inkjet cartridges use a pulse of energy more than seven times as intense as at the surface of the sun to create up to 36,000 of those superheated vapour bubbles.

The print cartridge acts as the “brain” of the printer. Routing hundreds of instructions every second, it controls the firing sequence of 512 microscopic nozzles, each just one-third the width of a human hair, to place up to 15,000 microscopic drops of ink per second precisely where they’re supposed to go. And then there’s the ink itself. HP inks are complex, patented formulations and, when paired with HP media, are responsible for some of the most dramatic innovations in Thermal Inkjet Technology, resulting in superior print quality and fade resistance.

## Media supplies

They are a marvel of science, engineered with proprietary materials to perform precisely with HP inks and printers to meet most printing applications.

There are around 70 different media types – each designed for a particular application and each developed with specialised ink-receptive coatings that control performance before, during and after printing.

Before printing, these coatings control important tactile properties of the media, such as smoothness and stickiness. During printing, they control the movement of ink on the media surface, which can affect ink absorption rate and the depth and sharpness of the output. Finally, after printing, they contribute to factors such as drying time, curl and ink abrasion resistance, durability and archivability.

## How is paper made?

The pulp and paper industry consists of a variety of businesses, differing in scale and type of activity. Some are focused on forests and raw material management; others are engaged in the collection of recovered paper. Some companies produce pulp and many others make a range of paper in paper mills. At the end of the chain, activities are centered in converting paper into a large amount of different end products.

## The development of inkjet media

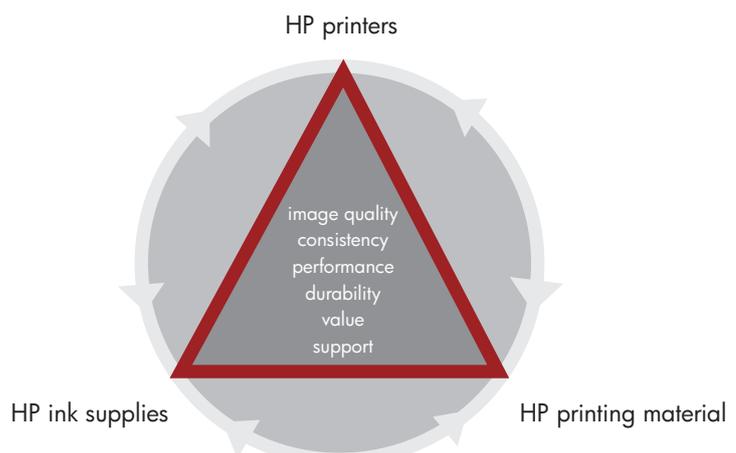
HP has a whole division devoted to the development and commercialisation of inkjet media. This development includes several steps and “checkpoints”, from product definition and design objectives to manufacturing release. Many are the parameters which need to be considered when developing inkjet media and when integrating it into a large format printer.

## The HP printing system

HP printers, HP dye or fade-resistant UV ink supplies and HP printing materials are designed and engineered to work together as a single printing system, providing exceptional print quality and reliability – print after print. HP supplies are exceptionally consistent – meaning less downtime and increased productivity.

For more information, visit:

[www.hp.com/go/designjet/supplies](http://www.hp.com/go/designjet/supplies)



# Selection of HP ink supplies

To obtain further information about the entire portfolio of HP ink supplies including printheads, valuepacks and multipacks, please visit our website at:

[www.hp.com](http://www.hp.com) or [www.hp.com/go/designjet/supplies](http://www.hp.com/go/designjet/supplies)

Product name	Product no.	HP Business Inkjet 2800 Printer series	HP LaserJet 5100 Printer series	HP Color LaserJet 5550 Printer series	HP DesignJet 70 Printer	HP DesignJet 110plus Printer series	HP DesignJet 130 Printer series	HP DesignJet 500/500ps Printer series	HP DesignJet 800/800ps Printer series	HP DesignJet 1000plus Printer series	HP DesignJet 4000 Printer series	HP DesignJet 4500 Printer series	HP DesignJet 5500 Printer series	HP DesignJet 5500uv Printer series
HP Ultraprecise Print Cartridge	C4129X	•												
HP Color LaserJet Smart Print Cartridge, black	C9730A		•											
HP Color LaserJet Smart Print Cartridge, cyan	C9731A		•											
HP Color LaserJet Smart Print Cartridge, yellow	C9732A		•											
HP Color LaserJet Smart Print Cartridge, magenta	C9733A		•											
HP 10 Large Black Ink Cartridge (69 ml)	C4844AE	•		•	•									
HP 11 Cyan Ink Cartridge (28 ml)	C4836AE	•		•	•									
HP 11 Magenta Ink Cartridge (28 ml)	C4837AE	•		•	•									
HP 11 Yellow Ink Cartridge (28 ml)	C4838AE	•		•	•									
HP 80 Magenta Ink Cartridge (350 ml)	C4847A									•				
HP 80 Black Ink Cartridge (350 ml)	C4848A									•				
HP 80 Cyan Ink Cartridge (350 ml)	C4872A									•				
HP 80 Yellow Ink Cartridge (350 ml)	C4873A									•				
HP 80 Cyan Ink Cartridge (175 ml)	C4871A									•				
HP 80 Yellow Ink Cartridge (175 ml)	C4846A									•				
HP 80 Magenta Ink Cartridge (175 ml)	C4874A									•				
HP 81 Dye Black Ink Cartridge (680 ml)	C4930A													•
HP 81 Dye Cyan Ink Cartridge (680 ml)	C4931A													•
HP 81 Dye Magenta Ink Cartridge (680 ml)	C4932A													•
HP 81 Dye Yellow Ink Cartridge (680 ml)	C4933A													•
HP 81 Dye Light Cyan Ink Cartridge (680 ml)	C4934A													•
HP 81 Dye Light Magenta Ink Cartridge (680 ml)	C4935A													•
HP 82 Cyan Ink Cartridge (69 ml)	C4911A							•	•					
HP 82 Magenta Ink Cartridge (69 ml)	C4912A							•	•					
HP 82 Yellow Ink Cartridge (69 ml)	C4913A							•	•					
HP 83 UV Black Ink Cartridge (680 ml)	C4940A													•
HP 83 UV Cyan Ink Cartridge (680 ml)	C4941A													•
HP 83 UV Magenta Ink Cartridge (680 ml)	C4942A													•
HP 83 UV Yellow Ink Cartridge (680 ml)	C4943A													•
HP 83 UV Light Cyan Ink Cartridge (680 ml)	C4944A													•
HP 83 UV Light Magenta Ink Cartridge (680 ml)	C4945A													•
HP 84 Dye Black Ink Cartridge (69 ml)	C5016A							•						
HP 85 Cyan Ink Cartridge (28 ml)	C9425A							•						
HP 85 Magenta Ink Cartridge (28 ml)	C9426A							•						
HP 85 Yellow Ink Cartridge (69 ml)	C9427A							•						
HP 85 Light Cyan Ink Cartridge (69 ml)	C9428A							•						
HP 85 Light Magenta Ink Cartridge (69 ml)	C9429A							•						
HP 90 Black Ink Cartridge (400 ml)	C5058A										•	•		
HP 90 Black Ink Cartridge (775 ml)	C5059A										•	•		
HP 90 Cyan Ink Cartridge (225 ml)	C5060A										•	•		
HP 90 Cyan Ink Cartridge (400 ml)	C5061A										•	•		
HP 90 Magenta Ink Cartridge (225 ml)	C5062A										•	•		
HP 90 Magenta Ink Cartridge (400 ml)	C5063A										•	•		
HP 90 Yellow Ink Cartridge (225 ml)	C5064A										•	•		
HP 90 Yellow Ink Cartridge (400 ml)	C5065A										•	•		

## Selection of HP media

To obtain further information about the entire portfolio of HP large format media, please visit our website at:

[www.hp.com/go/designjet/supplies](http://www.hp.com/go/designjet/supplies)

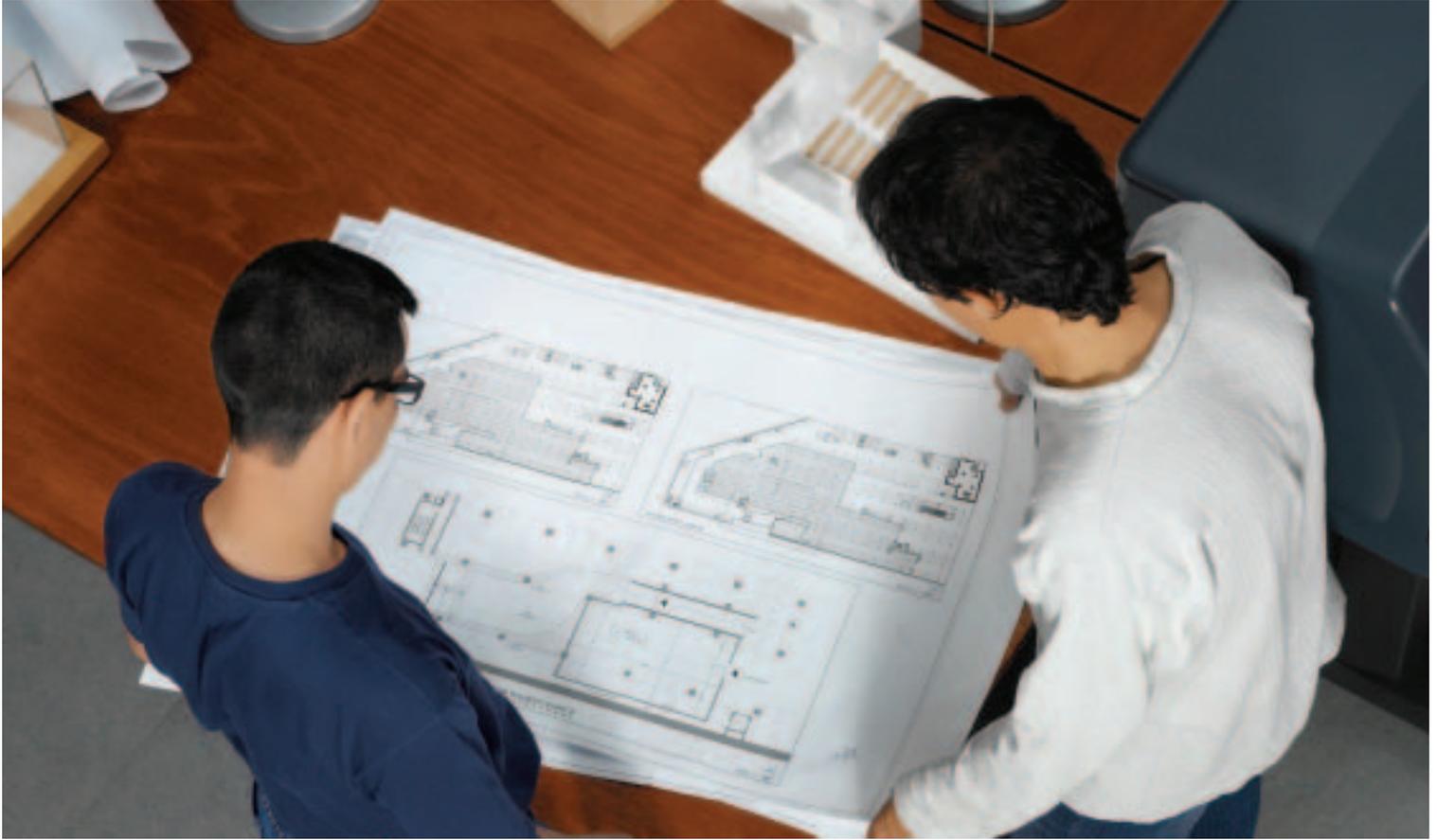
To find out about compatibilities for HP Business Inkjet 2800, the HP LaserJet 5100 Printer series and the HP Color LaserJet 5550 Printer series, please go to:

[www.hp.com](http://www.hp.com)

### Product name

### Product no.

		HP Designjet 70 Printer	HP Designjet 110plus Printer series	HP Designjet 130 Printer series	HP Designjet 500/500ps Printer series	HP Designjet 800/800ps Printer series	HP Designjet 1000plus Printer series	HP Designjet 4000 Printer series	HP Designjet 4500 Printer series	HP Designjet 5500 Printer series
<b>HP Bond and Coated Papers</b>										
HP Bright White Inkjet Paper 90 g/m <sup>2</sup> – A0/841 mm x 45.7 m	Q1444A				•	•	•	•	•	•
HP Bright White Inkjet Paper 90 g/m <sup>2</sup> – A1/594 mm x 45.7 m	Q1445A		•	•	•	•	•	•	•	•
HP Bright White Inkjet Paper 90 g/m <sup>2</sup> – 24"/610 mm x 45.7 m	C6035A		•	•	•	•	•	•	•	•
HP Bright White Inkjet Paper 90 g/m <sup>2</sup> – 36"/914 mm x 45.7 m	C6036A				•	•	•	•	•	•
HP Bright White Inkjet Paper 90 g/m <sup>2</sup> – 36"/914 mm x 91 m	C6810A						•	•	•	•
HP Coated Paper 90 g/m <sup>2</sup> – 24"/610 mm x 45.7 m	C6019B		•	•	•	•	•	•	•	•
HP Coated Paper 90 g/m <sup>2</sup> – 36"/914 mm x 45.7 m	C6020B				•	•	•	•	•	•
HP Coated Paper 90 g/m <sup>2</sup> – 42"/1067 mm x 45.7 m	C6567B				•	•	•	•	•	•
HP Coated Paper 90 g/m <sup>2</sup> – 36"/914 mm x 91 m	C6980A						•	•	•	•
HP Coated Paper 90 g/m <sup>2</sup> – A1/594 mm x 45.7 m	Q1442A		•	•	•	•	•	•	•	•
HP Coated Paper 90 g/m <sup>2</sup> – A0/841 mm x 45.7m	Q1441A				•	•	•	•	•	•
HP Universal Coated Paper 95 g/m <sup>2</sup> – 24"/610 mm x 45.7 m	Q1404A		•	•	•	•	•	•	•	•
HP Universal Heavyweight Coated Paper 120 g/m <sup>2</sup> – 24"/610 mm x 30.5 m	Q1412A		•	•	•	•	•	•	•	•
HP Universal Bond Paper 80 g/m <sup>2</sup> – 24"/610 mm x 45.7 m	Q1396A				•	•	•	•	•	•
HP Universal Bond Paper 80 g/m <sup>2</sup> – 36"/914 mm x 152.4 m	<b>NEW</b> Q8002A									•
HP Universal Bond Paper 80 g/m <sup>2</sup> – A1/594 mm x 91.4 m	<b>NEW</b> Q8004A						•	•	•	•
HP Universal Bond Paper 80 g/m <sup>2</sup> – A0/841 mm x 91.4 m	<b>NEW</b> Q8005A						•	•	•	•
HP Coated Paper SMP 90 g/m <sup>2</sup> – 18"/458 mm x 45.7 m	Q7897A	•	•	•	•	•	•			•
HP Coated Paper SMP 90 g/m <sup>2</sup> – A2+/458 mm x 610 mm – 100 sheets	Q1961A	•	•	•	•	•	•			•
HP Coated Paper SMP 90g/m <sup>2</sup> – A1+/610 mm x 914 mm – 100 sheets	Q1962A	•	•	•	•	•	•			•
HP Heavyweight Coated Paper 130 g/m <sup>2</sup> – 24"/610 mm x 30.5 m	C6029C		•	•	•	•	•	•	•	•
HP Heavyweight Coated Paper 130 g/m <sup>2</sup> – 36"/914 mm x 30.5 m	C6030C				•	•	•	•	•	•
HP Heavyweight Coated Paper 130 g/m <sup>2</sup> – 42"/1067 mm x 30.5 m	C6569C				•	•	•	•	•	•
HP Heavyweight Coated Paper 130 g/m <sup>2</sup> – 42"/1067 mm x 67.5 m	Q1956A				•	•	•	•	•	•
HP Super Heavyweight Plus Matte Paper 210 g/m <sup>2</sup> – 24"/610 mm x 30.5 m	<b>NEW</b> Q6626A						•	•	•	•
HP Super Heavyweight Plus Matte Paper 210 g/m <sup>2</sup> – 36"/914 mm x 30.5 m	<b>NEW</b> Q6627A						•	•	•	•
HP Super Heavyweight Plus Matte Paper 210 g/m <sup>2</sup> – 42"/1067 mm x 30.5 m	<b>NEW</b> Q6628A						•	•	•	•
<b>HP Technical Papers</b>										
HP Natural Tracing Paper 90 g/m <sup>2</sup> – 24"/610 mm x 45.7 m	C3869A		•					•	•	
<b>HP Films</b>										
HP Clear Film 174 g/m <sup>2</sup> – 36"/914 mm x 22.9 m	C3875A				•	•	•	•	•	•
HP Clear Film 174 g/m <sup>2</sup> – 24"/610 mm x 22.9 m	C3876A				•	•	•	•	•	•
<b>HP Proofing Papers</b>										
HP Semi-gloss Proofing Paper 150 g/m <sup>2</sup> – A3+/330 mm x 483 mm – 50 sheets	C7884A	•	•	•						
HP Semi-gloss Proofing Paper 150 g/m <sup>2</sup> – A2+/458 mm x 30.5 m	Q7895A	•	•	•						
HP Matte Proofing Paper 146 g/m <sup>2</sup> – A2+/458 mm x 30.5 m	Q7896A	•	•	•	•	•	•			
<b>HP Photographic Papers</b>										
HP Premium Plus Gloss Photo Paper 286 g/m <sup>2</sup> – A3+/330 mm x 483 mm – 25 sheets	Q5486A	•	•							
HP Premium Plus Gloss Photo Paper 286 g/m <sup>2</sup> – A2+/458 mm x 610 mm – 20 sheets	Q5487A	•	•							
HP Premium Plus Gloss Photo Paper 286 g/m <sup>2</sup> – 24"/610 mm x 15 m	Q5488A		•							
HP Premium Plus Satin Photo Paper 286 g/m <sup>2</sup> – A3+/330 mm x 483 mm – 25 sheets	Q5489A		•							
HP Premium Plus Satin Photo Paper 286 g/m <sup>2</sup> – A2+/458 mm x 610 mm – 20 sheets	Q5490A		•							
HP Premium Plus Satin Photo Paper 286 g/m <sup>2</sup> – 24"/610 mm x 15 m	Q5491A		•							
HP Premium Plus Satin Photo Paper 286 g/m <sup>2</sup> – A2+/458 mm x 15 m	Q7920A		•							
HP Matte Photo Paper 196 g/m <sup>2</sup> – A3+/330 mm x 483 mm – 50 sheets	Q5492A		•							
HP Universal Instant-dry Semi-gloss Photo Paper 190 g/m <sup>2</sup> – 36"/914 mm x 30.5 m	Q6580A				•	•	•	•	•	•
HP Universal Instant-dry Gloss Photo Paper 190 g/m <sup>2</sup> – 36"/914 mm x 30.5 m	Q6575A				•	•	•	•	•	•
HP Photo Imaging Gloss Paper 189 g/m <sup>2</sup> – 36"/914 mm x 30.5 m	C6963A									•
HP Photo Imaging Gloss Paper 189 g/m <sup>2</sup> – 42"/1067 mm x 30.5 m	C6964A									•
HP Photo Imaging Satin Paper 183 g/m <sup>2</sup> – 36"/914 mm x 30.5 m	C6959A									•
HP Photo Imaging Satin Paper 183 g/m <sup>2</sup> – 42"/1067 mm x 30.5 m	C6960A									•



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