

# HP Designjet 5100 Printer

- 1 Network easily with HP Jetdirect 620n print server card
- 2 Replace only the ink colours you need with six independently replaceable ink cartridges
- 3 High-capacity take-up reel decreases intervention and boosts productivity
- 4 Increased productivity with extra wide printheads (0.85 inches)
- 5 Self-adhesive polypropylene and backlit media developed to provide high-quality prints at high production mode speed
- 6 Roll-feed and automatic cutter for unattended printing
- 7 Integrated heater ensures optical image quality when using the production print modes
- 8 Direct access keys and LCD printer status for ink supply maintenance and print message alerts



## Accessories

### HP 60-in Spindle

Enables professional photo and graphic designers to switch between media rolls.



### HP 64 MB/128 MB SDRAM Memory upgrade

Empowers your printer to handle larger files while maximising print speed.



### HP Jetdirect

170x Ethernet Print Server, HP Jetdirect 620n EIO internal Print Server for Ethernet/Fast Ethernet, HP Jetdirect 300x external Print Server for Ethernet/Fast Ethernet, HP Jetdirect 510x external Fast Ethernet Print Server, HP Jetdirect 630n IPv6 Gigabit Print Server, HP Jetdirect 635n IPv6/IPv4 EIO Internal Print Server. For greater connectivity and accessibility.



## HP Original supplies

### Designed for reliability and productivity—Original HP inks

Original HP inks are designed and tested with HP ink cartridges, printheads, media and the Designjet printer to provide:

- Optimum nozzle health for a small ink drop size and maximum printhead life to keep your business up and running
- In-built intelligent technology in HP cartridges work interactively with the entire printing system to make continuous adjustments for superior quality and consistency
- Precision designed and tested to save time, improve productivity, and lower overall printing costs



### Hassle-free purchase, management and use

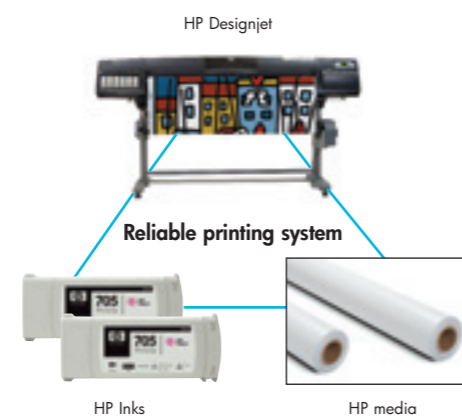
Save time, expense and keep productivity high with inks designed to work perfectly with your printer.

- Built-in intelligent technology to provide a host of time-saving features such as the monitoring of ink levels and alerts for you to replace supplies with less interruptions
- Specially designed for intuitive identification and installation, individual ink cartridges allow you to quickly and easily replace individual colours without recalibration
- The HP Planet Partners programme provides free, convenient return and recycling of HP ink cartridges in over 45 countries.<sup>1</sup> Visit [www.hp.com/recycle](http://www.hp.com/recycle) for details



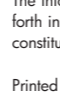
### Tried and tested for optimum consistency and compatibility

Formulated through a process of rigorous testing, HP inks produce high-quality and consistent results across a wide-range of media, and are optimised with the broad range of Original HP large-format media to produce the most reliable and consistent results.



© 2008 Hewlett-Packard Development Company, L.P.  
The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Printed in Singapore, 20080085-EEP, April 2008



invent

# HP Designjet 5100 Printer

## Technical specifications

<b>Print speed</b>	<b>Production:</b> 17 m <sup>2</sup> /hr (189 f <sup>2</sup> /hr); <b>Best:</b> 9 m <sup>2</sup> /hr (100 f <sup>2</sup> /hr); <b>Maximum:</b> 52 m <sup>2</sup> /hr
<b>Print resolution maximum</b>	1200 x 600 dpi (on glossy media)
<b>Memory</b>	128 MB standard; 256 MB maximum
<b>Media</b>	HP Bond and coated paper, HP Film, HP Photographic paper, HP Backlit material, HP Self-adhesive (China only), HP Banner and Sign material, HP Fine Art Printing material and HP coated paper; <b>Weight:</b> Up to 236 g/m <sup>2</sup> depending on media type; <b>Size:</b> 8.3 to 60-inch wide sheets, 24 to 60-inch rolls; <b>Maximum roll length:</b> 91.4 m/300 ft
<b>Printing</b>	<b>Margins:</b> lateral—7 mm, Trailing edge and leading edge—35 mm; <b>Technology:</b> HP Thermal Inkjet; <b>Ink cartridge colours:</b> 6 (black, cyan, magenta, yellow, light cyan, light magenta); <b>Ink types/drop:</b> Dye-based ink/15.4 pl (black), 12 pl (colour); <b>Ink cartridge size:</b> 680 ml ink cartridges; <b>Nozzles:</b> 512; <b>Minimum line width:</b> 0.0003 inches; <b>Line accuracy:</b> +/-0.2%; <b>Maximum print length:</b> 91.4 m/300 ft (OS and application dependent)
<b>Connectivity</b>	<b>Interfaces (standard):</b> 1 parallel, 1 RJ-45 (10/100 Base-TX); <b>Interfaces (optional):</b> HP Jetdirect 170x, 300x, 510x, 620n, 630n, 635n; <b>Print languages (standard):</b> TIFF 6.0, JPEG, CALS/G4, HP-GL/2, HP RTL; <b>Drivers (included):</b> Drivers for Windows® 2000, Windows XP® Home, Windows XP® Professional, Windows® Server 2003, Windows Vista®; HP Embedded Web Server file submitter
<b>Recommended system requirements</b>	<b>Windows®:</b> Pentium 4; 256 MB RAM, 500 MB available hard disk space
<b>Dimension (w x d x h)</b>	2430 x 680 x 1280 mm (96 x 27 x 50 inches)
<b>Weight</b>	120 kg (264 lb)
<b>What's in the box</b>	<b>HP Designjet 5100 Printer:</b> 60-inch stand, 60-inch spindle, 60-inch take-up reel, printheads (6 x colours), introductory ink cartridges (x6), user maintenance kit, 3-inch spindle adapter kit, user documentation, printer setup software, power cord
<b>Environmental ranges</b>	<b>Operating temperature:</b> 10 – 40° C (50 – 104° F); <b>Recommended operating temperature:</b> 15 – 35° C (59 – 95° F); <b>Storage temperature:</b> -20 – 55° C (-4 – 131° F); <b>Operating humidity:</b> 20 – 80% RH
<b>Acoustic</b>	<b>Sound pressure, active:</b> 55 dB(A); <b>Sound pressure standby:</b> 30 dB(A); <b>Sound power active:</b> 7 B(A)
<b>Power consumption</b>	<b>Maximum:</b> 400 watts; <b>Ready:</b> 70 watts; <b>Sleep:</b> 55 watts; <b>Power requirements:</b> Input voltage—100 – 240 VAC (+/-10%), 50/60 Hz
<b>Certification</b>	<b>Safety:</b> Compliant with the requirements for ITE products: EU: Low Voltage Directive, USA and Canada: CSA Certified for US and Canada, Mexico: NOM-1-NYCE, Argentina: IRAM, Singapore: PSB, Russia: GOST; <b>Electromagnetic:</b> 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, Japan VCCI; Class A for Korea MIC, Taiwan BSMI; <b>Environmental:</b> RoHS, WEEE
<b>Warranty</b>	One-year warranty limited hardware warranty; on-site, next-business-day service.

## Ordering information

<b>Product</b>	HP Designjet 5100 Printer
<b>Accessories</b>	HP 64 MB SDRAM Memory HP 128 MB SDRAM Memory HP 60-in Spindle HP Jetdirect 170x Ethernet Print Server HP Jetdirect 620n EIO Internal Print Server for Ethernet/Fast Ethernet HP Jetdirect 300x external Print Server for Ethernet/Fast Ethernet HP Jetdirect 510x external Fast Ethernet Print Server HP Jetdirect 630n IPv6 Gigabit Print Server HP Jetdirect 635n IPv6/IPv4 EIO Internal Print Server

## Ink supplies

<b>Printheads and cleaners</b>	HP 705 Black Designjet Printhead and Cleaner HP 705 Cyan Designjet Printhead and Cleaner HP 705 Magenta Designjet Printhead and Cleaner HP 705 Yellow Designjet Printhead and Cleaner HP 705 Light Cyan Designjet Printhead and Cleaner HP 705 Light Magenta Designjet Printhead and Cleaner
--------------------------------	---

## Cartridges

HP 705 680-ml Black Designjet Ink Cartridge	CD959A
HP 705 680-ml Cyan Designjet Ink Cartridge	CD960A
HP 705 680-ml Magenta Designjet Ink Cartridge	CD961A
HP 705 680-ml Yellow Designjet Ink Cartridge	CD962A
HP 705 680-ml Light Cyan Designjet Ink Cartridge	CD963A
HP 705 680-ml Light Magenta Designjet Ink Cartridge	CD964A

## Media supplies

HP Coated Paper, 90 g/m <sup>2</sup> , 24 inches x 45.7 m	C6019B
HP Coated Paper, 90 g/m <sup>2</sup> , 36 inches x 45.7 m	C6020B
HP Coated Paper, 90 g/m <sup>2</sup> , 42 inches x 45.7 m	C6567B
HP Coated Paper, 90 g/m <sup>2</sup> , 54 inches x 45.7 m	C6568B
HP Coated Paper, 90 g/m <sup>2</sup> , 36 inches x 91.4 m	C6980A
HP Universal Coated Paper, 95 g/m <sup>2</sup> , 24 inches x 45.7 m	Q1404
HP Universal Coated Paper, 95 g/m <sup>2</sup> , 36 inches x 45.7 m	Q1405A
HP Universal Coated Paper, 95 g/m <sup>2</sup> , 42 inches x 45.7 m	Q1406A
HP Universal Glass Photo Paper 220 g/m <sup>2</sup> 24 inches x 30 m (Taiwan and India only)	Q8885A
HP Universal Glass Photo Paper 220 g/m <sup>2</sup> 36 inches x 30 m (Taiwan and India only)	Q8886A
HP Universal Glass Photo Paper 220 g/m <sup>2</sup> 42 inches x 30 m (Taiwan and India only)	Q8887A
HP Universal Glass Photo Paper 220 g/m <sup>2</sup> 50 inches x 30 m (Taiwan and India only)	Q8888A
HP Universal Semi-gloss Photo Paper 190 g/m <sup>2</sup> 34 inches x 30.5 m	Q1420A
HP Universal Semi-gloss Photo Paper 190 g/m <sup>2</sup> 36 inches x 30.5 m	Q1421A
HP Universal Semi-gloss Photo Paper 190 g/m <sup>2</sup> 42 inches x 30.5 m	Q1422A
HP Universal semi-gloss Photo Paper 190 g/m <sup>2</sup> 54 inches x 30.5 m	Q1423A
HP Universal Semi-gloss Photo Paper 190 g/m <sup>2</sup> 60 inches x 30.5 m	Q1424A
HP Adhesive-backed Polypropylene 120 g/m <sup>2</sup> 36 inches x 50 m (China only)	Q8044A
HP Adhesive-backed Polypropylene 120 g/m <sup>2</sup> 42 inches x 50 m (China only)	Q8884A
HP Adhesive-backed Polypropylene 120 g/m <sup>2</sup> 50 inches x 50 m (China only)	Q8045A
HP Premium Vivid Color Backlit Film 285 g/m <sup>2</sup> 36 inches x 30.5 m	Q8747A
HP Premium Vivid Color Backlit Film 285 g/m <sup>2</sup> 42 inches x 30.5 m	Q8748A
HP Premium Vivid Color Backlit Film 285 g/m <sup>2</sup> 54 inches x 30.5 m	Q8749A
HP Premium Vivid Color Backlit Film 285 g/m <sup>2</sup> 60 inches x 30.5 m	Q8750A

## Service and support

UK031PE	HP 1-year, Post Warranty, Next Business Day, Onsite Service
UK032E	HP 3-year, Next Business Day, Onsite Service
UK033E	HP 4-year, Next Business Day, Onsite Service
UK034E	HP 5-year, Next Business Day, Onsite Service
UK035E	HP 3-year, 4-hour, 9 x 5 Same Business Day, Onsite Service
UK036E	HP 4-year, 4-hour, 9 x 5 Same Business Day, Onsite Service
UK476E	HP 5-year, 4-hour, 9 x 5 Same Business Day, Onsite Service
UK480PE	HP 1-year, Post Warranty, 4-hour, 9 x 5 Same Business Day, Onsite Service
H7604E	HP Standard Physical Installation

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

HP customer information centre (for product information)	
China	800 820 2255
India	800 425 4999 (from MTNL/BSNL LAN line) 3030 4499 (from mobile)
Taiwan	0800 236 686
HP customer care centre (for post-sales service)	
China	800 810 3888
India	1600 112 267
Taiwan	+886 2 8722 8000



LOW INVESTMENT.  
RAPID GROWTH.

WHAT DO YOU HAVE TO SAY?

Investment

## HP Designjet 5100 Printer



<sup>1</sup> Programme availability varies. HP printing supplies return and recycling is currently available in more than 45 countries, territories, and regions in Asia, Europe, and North and South America through the HP Planet Partners programme.



Whether you are just starting up or looking to take your business to the next level, the HP Designjet 5100 Printer offers you a reliable and cost-effective 60-inch large-format printing solution. Designed specifically for creating competitively-priced indoor and short-term outdoor applications, these printers produce good quality prints that give you peace of mind without breaking your budget.

## The smart printing solution for new and expanding businesses

### Good quality, affordability and high performance

The competitively priced HP Designjet 5100 Printer is a cost-effective large-format printing solution that is ideal for print service providers looking to enter the market, or seeking to expand their current printing solution. Achieve affordable, reliable and consistent print results with original HP large-format printing supplies—increasing your profits and providing a major boost to any business.

With remote printer management and production print modes, it is easy to create ready-to-sell, large-format prints—quickly and with higher efficiency. Simplify workflow and lower cost over time with easy connectivity in Windows® environments and support up to 5 embedded printer languages (TIFF, JPEG, CALS G4, HP-RTL and HP-GL/2).

### Optimum printing performance without sacrificing reliability

Achieve reliable and consistent printing performance—print after print, day after day. Patented ink technologies in the low-cost HP 705 Designjet ink cartridges and the proven HP 705 Designjet printheads are designed for high-output, maximised printhead life, and for delivering vivid colours and images with high density nozzles in precise, small ink drop size. With HP original ink cartridges, you get:

- **Individual colour ink cartridges**—save cost by replacing only the cartridge required
- **680 ml HP ink cartridges**—stay productive with fewer interruptions for cartridge changing

### Consistent results print after print



### Multiple printer languages including direct TIFF printing path



### Vivid colours and sharp resolution



## High productivity with HP reliability

### Support your business with a proven product from HP

Built on the same platform as the renowned HP Designjet 5500 Printer series, these printers offer the proven performance, support and reliability that comes with all HP products. With a strong reputation for delivering highly reliable and dependable products, your business will benefit from exceptional speeds of up to 52 m<sup>2</sup>/hr, ease-of-use, and extended uptime.

### Uninterrupted workflow with intelligent technology

Intelligent technology built into the printers, ink cartridges and printheads enable interactive communication—providing time-saving features by monitoring ink levels and automatically providing alerts to replace supplies before workflow is interrupted.

### “Hot Swap” a cartridge

To keep productivity high, ink cartridges can be changed without interrupting the print job, saving time and preventing unnecessary stoppages.

### Get the job done faster

Reduce total production turnaround time and increase productivity. Get instant dry-times so that gloss and semi-gloss printouts can be sent for lamination immediately—eliminating the drying periods between printing and lamination.

## Profit from consistent and reliable results

### Consistent, reliable results print after print

The specially-formulated and patented original HP inks, together with six-ink HP Colour Layering Technology and 1200 dpi writing system give you a wide colour gamut, continuous tones, and smooth colour transitions to meet the needs of even your most demanding customers.

### The flexibility to exceed customer expectations

Give your customers more options when it comes to the size and look and feel of their large-format prints. With a broad range of media options like self-adhesive polypropylenes, and by adding an external RIP (raster image processor), you are able to accurately reproduce both CMYK and RGB defined colours on different media types.

With print-to-screen, print-to-print colour consistency, and precise colour palette reproduction, your business is ready to meet any expectations, at a faster speed.

### Resource saving ink cartridges

Designed for easy, reliable printing, Original HP inks are designed and tested together with the printer to deliver reliable and consistent results—saving your business time, effort, and extra costs in the long-run.

### Higher productivity with excellent print speeds

Prints speed up to **52 m<sup>2</sup>/hr**



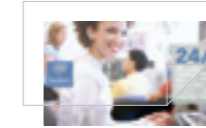
### Better workflow management with intelligent technology



### Change cartridges on-the-fly for reduced downtime



### Instant dry-times for instant lamination



### Maximised print results with patented HP inks



### Strengthen business capabilities with extensive media and format options



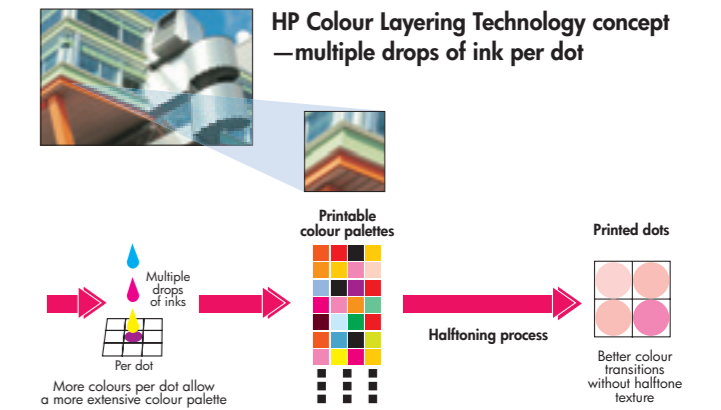
### Original HP inks for hassle-free installation and operations



## Key Technologies

### HP Colour Layering Technology

Six-ink HP Colour Layering Technology allows the printer to output the highest-quality photos without sacrificing print speed. This exclusive printing technology produces more levels of colour intensity per dot, and the 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, more subtle tones and smoother gradients.



### Extensive range of media choice

Designed to meet the growing needs of customers, the HP Designjet 5100 Printer supports a wide range of media to suit various size, configuration, and finishing options, including self adhesive polypropylenes. For proven reliability and consistency, choose from the Original HP large-format media—designed together with HP inks and your Designjet printer for optimal results.

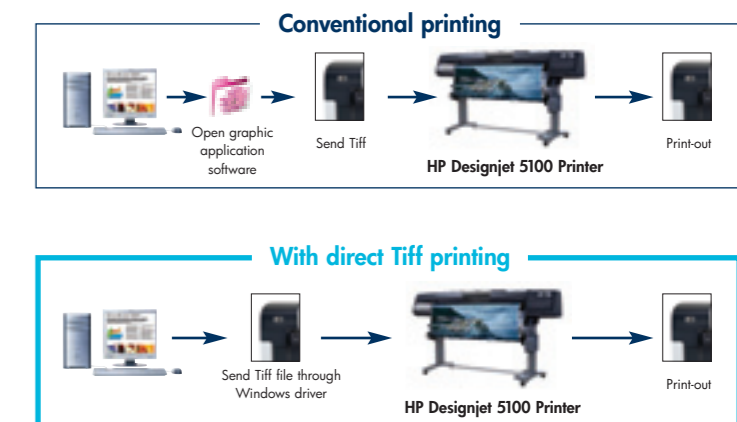
### Provide your customers with more print media options



### Direct TIFF printing

The web-submitter facilitates easy connectivity in multi-platform environments. It provides a direct TIFF printing path using a driver-less printing workflow for Windows® environments, thus ensuring efficiency and productivity.

### Streamline printing process for enhanced productivity

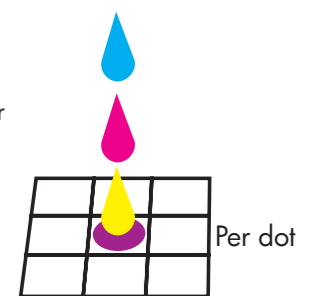


### Small ink drop size for superior results

Engineered to achieve a small ink drop size combined with accurate algorithms, the HP Designjet 5100 Printer produces more colours per printed dot (pixel)—resulting in a superior gamut of colours, faster print speeds, precise colour control and exceptional image quality on all compatible media.

### A wider palette of colours with small ink drop size

Each dot of ink is made up of more colours with smaller ink drop size



### Proven HP Designjet Platform

Built on the same platform as the renowned HP Designjet 5500 series, the HP Designjet 5100 Printer and Original HP printing supplies offers the same superior reliability, performance, and ease-of-use—giving your business the advantage of proven productivity and dependability.