HP Designjet Portfolio for Low-volume Print Service Providers

The HP Designjet portfolio for low-volume print service providers (PSPs) is designed for large departments and print shops interested in producing high volumes of prints with high-quality text and graphics and with a fast turnaround time. With the increased versatility afforded by these printers for indoor and indoor applications, customers can increase their business opportunities with an expanded application offering.

This portfolio includes:

— The HP Designjet Z6100 Printer, which offers an industry-leading combination of image quality and productivity.

— The new HP Designjet Z5200 Printer, a simple and productive entry-level large-format printing solution.

— The HP Designjet L25500 Printer, featuring HP Latex Printing Technologies, which delivers unrivalled versatility for a variety of outdoor and indoor applications.

HP Designjet Z6100 Printer
With an industry-leading combination of image quality and productivity, the HP Designjet Z6100 Printer series enables PSPs and geographic information systems (GIS), computer-aided design (CAD), and architecture, engineering and construction (AEC) customers to increase their print capacity while producing vivid output with outstanding quality and predictable color. Available in 42- and 60-inch models, the HP Designjet Z6100 Printer delivers amazing speeds over 1,000 ft^2/hr and breakthrough color consistency with an embedded spectrophotometer.

Technical specifications
— Print speeds

— Maximum print speed: 1,134 ft^2/hr (105.4 m^2/hr) on plain paper

— Fast mode: 720 ft^2/hr (66.9 m^2/hr) on coated paper; 252 ft^2/hr (23.4 m^2/hr) on glossy paper

— Best mode: 147 ft^2/hr (13.7 m^2/hr) on coated paper; 98 ft^2/hr (9.1 m^2/hr) on glossy paper

— Image Quality

  — Color accuracy: median <1.6 dE2000, 95 percent of colors < 2.8 dE2000[1]

  — Short-term color stability: <1 dE2000, in less than 5 minutes[2]

  — Long-term print-to-print repeatability: Average 0.5 dE2000, 95 percent of color <1.4 dE2000[3]

— Maximum print resolution: 2,400 x 1,200 optimized dots per inch (dpi)

— Eight-ink printing system with Original HP 91 775-ml ink cartridges with HP Vivera pigment inks: cyan, magenta, yellow, light cyan, light magenta, light gray, matte black, photo black

— Standard Connectivity: Gigabit Ethernet, 1 EIO Jetdirect accessory slot, IPv6 support

The HP Designjet Z6100 Printer series is an ENERGY STAR® qualified product.[4]

HP Designjet Z5200 Printer

The newest addition to the portfolio, the HP Designjet Z5200 Printer is designed for low-volume PSPs, including copy shops and quick printers, interested in an entry-level large-format solution. This 44-inch printer offers easy, affordable and high-quality printing in-house with an intuitive and productive printing experience and HP Vivera inks. Advanced HP technology automates time-consuming steps and ColorPRO papers produce striking, cost-effective everyday prints, providing quick turnaround on print jobs and a fast return on investment.

Technical specifications
— Print speeds

  — Line drawings[5]: 42 sec/page on A1/D, 42.1 A1/D prints per hour

  — Color images[6]: Fast: 1.4 min/page on A1/D or up to 19 m²/hr (205 ft²/hr) on coated media, Best: 5.1 min/page on A1/D or up to 5.4 m²/hr (58 ft²/hr) on glossy media

— Maximum print resolution: 2,400 x 1,200 optimized dpi

— Line accuracy: +/- 0.2 percent[7]

— Eight-ink printing system with Original HP 772 and 70 Ink Cartridges with HP Vivera inks: cyan, magenta, yellow, photo black, matte black, light magenta, light cyan, light gray (available in 300-ml and 130-ml ink cartridges)

— Ink drop: 4 picoliters (pl) (lc,lm,lg,pK), 6 pl (C,M,Y,mK)

— Memory: 160 GB hard disk

— Connectivity: Gigabit Ethernet (1000Base-T); Hi-Speed USB 2.0 certified; EIO Jetdirect accessory slot

— PostScript capabilities, and operating system support with HP PCL 3 GUI and PostScript drivers for Windows® (optimized for AutoCAD 2000 and higher)

— The new HP Instant Printing Pro offers reprographics and copy shops using the HP Designjet Z5200 Printer a solution to easily print in large format, making file preparation and post-processing of the prints both simple and fast

The HP Designjet Z5200 Printer is an ENERGY STAR qualified product.[4]

HP Designjet L25500 Printer series
Delivering unrivaled versatility[8] for a variety of outdoor and indoor large-format applications and ease of use, the HP Designjet L25500 Printer featuring HP Latex Printing Technologies offers PSPs a solution that provides durability comparable to eco-solvent inks,[9] while reducing the impact of printing on the environment. The newest addition to the HP Latex Printing Technologies portfolio, the HP Designjet L25500 Printer is an ideal solution for small and medium digital print and sign shops, as well as copy shops and photo labs interested in offering an enhanced range of applications and increasing their competitive advantage.

Technical specifications
— Print speeds

  — HP Designjet L25500 Printer 42-inch model: Up to 228 square feet per hour (21.2 square meters per hour)[10]

  — HP Designjet L25500 Printer 60-inch model: Up to 246 square feet per hour (22.8 square meters per hour)[10]

— Maximum print resolution: 1,200 x 1,200 dpi

— Technology: HP Latex Printing Technologies

— Six-ink printing with HP 789 775-ml Latex Designjet Ink Cartridges: cyan, magenta, yellow, light cyan, light magenta and black

— Three total Original HP printheads (each contains two colors – yellow/black, cyan/light cyan, light magenta/magenta)

— Ink drop: 12 pl

— Nozzles: 2,112 per color using HP Double Swath Technology

— Connectivity: One Gigabit Ethernet (1000Base-T) port

The HP Designjet L25500 Printer series is an ENERGY STAR qualified product.

Pricing and availability[11]

Model	Estimated U.S. MSRP	Availability
HP Designjet Z6100 42-in	$9,995	Now
HP Designjet Z6100ps 42-in	$12,995	Now
HP Designjet Z6100 60-in	$16,000	Now
HP Designjet Z6100ps 60-in	$18,995	Now
HP Designjet Z5200	$5,495	June 1, 2010
HP Designjet L25500 42-in	$19,000	Now
HP Designjet L25500 60-in	$21,000	Now

Additional information

More information about the HP Graphics Solutions portfolio is available at www.hp.com/go/designjet.

(1) ICC absolute colorimetric accuracy on HP Proofing Matte.
(2) With HP Premium Instant Dry Photo Satin media right after calibration.
(3) With HP Premium Instant Dry Photo Gloss media.
(4) Additional information is available at http://www.hp.com/go/energystar.
(5) Mechanical printing time. Printed in Fast mode on HP Bright White Inkjet Paper (Bond).
(6) Mechanical printing time.
(7) +/- 0.2% of the specified vector length or +/- 0.1 mm (whichever greater) at 23° C (73° F), 50-60% relative humidity, on A0/E HP Matte Film in Best or Normal mode.
(8) The HP Designjet L25500 Printer produces an extremely broad range of both outdoor and indoor applications from a single device, which surpasses the number of different applications that traditional eco-solvent printers or water-based printers can produce.
(9) HP image permanence and scratch, smudge and water resistance estimates by HP Image Permanence Lab. Outdoor display permanence tested according to SAE J2527 using HP Latex and eco-solvent ink on a range of media, including HP media; in a vertical display orientation in simulated nominal outdoor display conditions for select high and low climates, including exposure to direct sunlight and water; performance may vary as environmental conditions change. Scratch, smudge and water resistance tested using HP Latex and eco-solvent inks on a wide range of media, including HP media; water resistance is comparable when printed on water-resistant substrates. Laminated display permanence using GBC clear gloss 1.7 mil hot laminate. Results may vary based on specific media performance and scratch testing methodology. More information is available at www.hp.com/go/supplies/printpermanence.
(10) Printed in a 60-inch printer, full width plot (60 x 60 inches), using HP Permanent Gloss Adhesive Vinyl in four passes bidirectional (Draft), 10 passes bidirectional (Productivity) and 12 passes bidirectional (Best). Onyx RIP 7.3.
(11) Actual prices may vary.
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