



HP Designjet L25500 Printer

Overview

Delivering unrivaled versatility⁽¹⁾ 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 print service providers (PSPs) a solution that provides durability comparable to eco-solvent inks,⁽²⁾ 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.

Key features and benefits

Application versatility

- The unrivaled versatility of the HP Designjet L25500 Printer enables customers to generate high-impact campaigns that span indoor and outdoor applications – from point-of-purchase (POP) displays to bus shelters to vehicle wraps.
- The HP Designjet L25500 Printer enables printing on a wide range of media, including coated media or polyester fabric⁽³⁾ and low-cost papers without treatments.
- Outdoor signage produced with HP Latex Inks on the HP Designjet L25500 Printer provides the durability of eco-solvent inks with display permanence up to three years un laminated and up to five years laminated, and scratch, smudge and water resistance (on water-resistant media) comparable to eco-solvent inks on a range of media.⁽²⁾
- This printer produces indoor signage, such as exhibition graphics and interior decorations like wall murals, that stand up to close inspection using HP Thermal Inkjet printheads to produce high-resolution, 1,200 dpi prints on a variety of different substrates including polyester fabric⁽³⁾ and low-cost papers.
- HP Latex Inks achieve the optimum in high-quality, consistent performance and application versatility on Original HP large-format printing materials. HP offers a portfolio of 19 large-format media for HP Latex Inks, including seven recyclable substrates,⁽⁴⁾ outdoor and indoor substrates, low-cost, uncoated media, and a selection of banner, self-adhesive, fabric, paper, mesh and specialty options.

Ease of use

- Water-based HP Latex Inks and HP 789 Designjet Printheads enable automatic maintenance and unattended printing with no daily, manual printhead maintenance required⁽⁵⁾ and no special printhead cleaning required when the printer has been properly turned off overnight, over weekends or over longer periods of time.
- Individual HP 789 Designjet Printheads are user replaceable, eliminating the downtime and expense of a service call.

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- The HP Designjet L25500 Printer uses an embedded spectrophotometer to easily achieve accurate and consistent colour across prints and between printers; the Optical Media Advance Sensor (OMAS) accurately controls the media as it advances through the printer to minimise banding at high print speeds.
- Water-based HP Latex Inks are completely cured inside the HP Designjet L25500 Printer to form a durable film on the print medium. Prints come out of the printer ready to laminate, use, finish and prepare for shipment or display, enabling high productivity.
- Intelligent technology built into Original HP printing supplies and the HP Designjet L25500 Printer enables features that save time and minimise interruptions, including continuous adjustments, which optimise print quality and reliability and maximise printhead life, and alerts that provide notification when supplies need to be replaced.
- Printer status can be monitored through the embedded web server, and because HP partners with the most popular raster image processing (RIP) vendors, the embedded web server can be easily accessed through common RIP solutions.
- HP Double Swath technology staggers printheads in the carriage to double the print swath of the HP Designjet L25500 Printer, resulting in twice the performance of earlier HP Designjet models. The print swaths overlap each other so that nozzles print in the same scan line, eliminating swath-to-swath banding.

Reduce the impact of printing on the environment

- HP Latex Inks produce odourless⁽⁶⁾ prints that allow placement in POP environments where odor is a concern, enabling a competitive advantage versus print shops that use eco-solvent technology.
- The HP Designjet L25500 Printer features the ENERGY STAR® rating, which demonstrates compliance with strict energy-efficiency guidelines.
- Water-based HP Latex Inks are non-flammable and non-combustible,⁽⁷⁾ do not require hazard warning labels, and contain no hazardous air pollutants (HAPs).⁽⁸⁾ Additionally no special ventilation equipment⁽⁹⁾ or external dryer is required.
- The HP Designjet L25500 solution helps PSPs distinguish their businesses and attract new environmentally focused customers by offering a complete solution – including water-based HP Latex Inks and HP recyclable media⁽⁴⁾ – that helps reduce the impact of printing on the environment.

Technical specifications

- Print speeds:
 - HP Designjet L25500 Printer 42-inch model: Up to 228 square feet per hour (21.2 square meters per hour)⁽¹¹⁾
 - HP Designjet L25500 Printer 60-inch model: Up to 246 square feet per hour (22.8 square meters per hour)⁽¹¹⁾
- Print resolution: Up to 1200 dpi
- Media:
 - Handling: Roll feed
 - Types: Supports a broad range of media, including most low-cost, uncoated media, coated media compatible with eco-solvent inks and polyester



fabrics⁽³⁾

- Size: Available in 42-inch (1.07 m) and 60-inch (1.52 m) models

- Printing:

- 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 colours – yellow/black, cyan/light cyan, light magenta/magenta)
- Ink Type: HP Latex Inks
- Nozzles: 2,112 per colour using HP Double Swath Technology
- Ink drop volume: 12 picoliters

Supported Original HP Latex printing supplies for HP Designjet L25500 Printer

- Original HP ink cartridges

- HP 789 775-ml Black Latex Designjet Ink Cartridge
- HP 789 775-ml Cyan Latex Designjet Ink Cartridge
- HP 789 775-ml Magenta Latex Designjet Ink Cartridge
- HP 789 775-ml Yellow Latex Designjet Ink Cartridge
- HP 789 775-ml Light Cyan Latex Designjet Ink Cartridge
- HP 789 775-ml Light Magenta Latex Designjet Ink Cartridge

- Original HP printheads

- HP 789 Yellow/Black Designjet Printhead
- HP 789 Cyan/Light Cyan Designjet Printhead
- HP 789 Light Magenta/Magenta Designjet Printhead

- Original HP maintenance supplies

- HP 789 Designjet Printhead Cleaning Kit
- HP 789 Designjet Printhead Cleaning Container

- Original HP printing materials optimised for use with HP Latex Inks



Banners:

- HP Durable Frontlit Scrim Banner
- HP Outdoor Frontlit Scrim Banner
- HP Backlit Scrim Banner
- HP HDPE Reinforced Banner (recyclable)⁽⁴⁾


Self-adhesive materials:

- HP Permanent Gloss Adhesive Vinyl
- HP Permanent Matte Adhesive Vinyl
- HP One-view Perforated Adhesive Window Vinyl





- HP Air Release Adhesive Gloss Cast Vinyl 
- HP PVC-free Gloss Adhesive Film 

Fabrics

- HP Wrinkle-free Flag with Liner (recyclable) ⁽⁴⁾
- HP Heavy Textile Banner (recyclable) ⁽⁴⁾
- HP Light Textile Display Banner (recyclable) ⁽⁴⁾ 

Papers

- HP Blue Back Billboard Paper
- HP Photo-realistic Poster Paper (recyclable) ⁽⁴⁾
- HP White Satin Poster Paper (recyclable) ⁽⁴⁾ 
- HP PVC-free Wall Paper 

Mesh

- HP Mesh Banner with Liner

Specialty

- HP Satin Canvas
- HP DuPont Tyvek Banner (recyclable) ⁽⁴⁾

Availability

The HP Designjet L25500 Printer is expected to begin shipping this year and be available worldwide in early 2010.

Additional information

More information about the HP Designjet L25500 Printer will be available at the worldwide launch on October 1, 2009. More information about HP Latex Printing Technologies is available at www.hp.com/go/hp_latex_printing_technologies.

More information about HP large-format printing supplies and printing materials is available at www.hp.com/go/designjet/supplies.

⁽¹⁾ 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.

⁽²⁾ 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.

⁽³⁾ For best results, print on polyester fabric that does not stretch. Performance may vary depending on media. Compatibility details are available from media suppliers.

⁽⁴⁾ HP offers the HP Large-format Media take-back program in the United States and Europe, through which



most HP recyclable signage media can be returned; availability varies. Some recyclable papers can be recycled through commonly available recycling programs. Details are available at www.hp.com/recycle. Aside from this program, recycling opportunities for these products are currently only available in limited areas. Customers should consult local recycling resources for recycling these products.

(5) The printer employs fully automatic printhead testing and maintenance systems.

(6) Printers using HP Latex Inks use internal heaters to dry and cure the latex polymer film. Some substrates may have inherent odor.

(7) HP water-based Latex Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. These materials have been tested per the Pensky-Martins Closed Cup method and the flash point is greater than 110 deg C.

(8) The inks were tested for Hazardous Air Pollutants per U.S. Environmental Protection Agency Method 311 (testing conducted in 2008) and none were detected. HAPs are air pollutants which are not covered by ambient air quality standards but which, as defined in the Clean Air Act, may present a threat of adverse human health effects or adverse environmental effects.

(9) Special ventilation is not required to meet U.S. OSHA requirements on occupational exposure to VOCs from HP Latex Inks. Special ventilation equipment installation is at the discretion of the customer – no specific HP recommendation is intended. Customers should consult state and local requirements and regulations.

(10) In the circa 45 countries and territories in which the HP Planet Partners program operates. Program features and availability varies. Where this program is not available, and for other consumables not included in the program, consult the Material Safety Data Sheet (MSDS) available at www.hp.com/go/ecodata to determine appropriate disposal.

(11) 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.

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