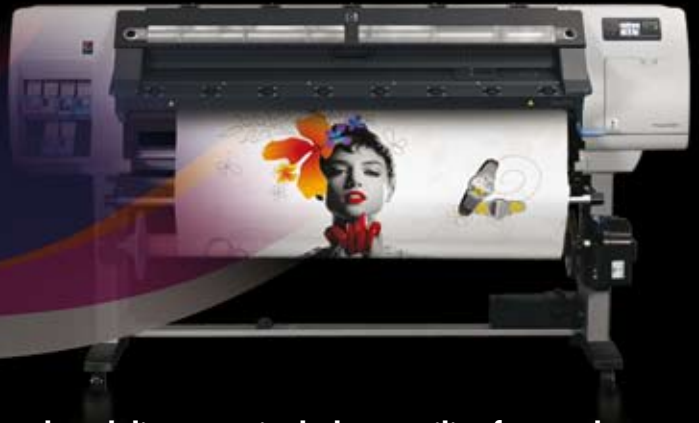# DESIGNJET L25500
PRINTER SERIES

Increase business opportunities with a printer that delivers unrivaled versatility for outdoor and indoor applications.[1] Experience the ease of reliable HP Designjet printing. Attract the attention of environmentally conscious customers.

UNRIVALED VERSATILITY FROM ONE PRINTING SYSTEM[1]

- Produce outdoor signage with durability comparable to eco-solvent inks.[2]

- Achieve high-quality results—that meet clients' branding requirements—for all your indoor signage applications, from exhibition graphics to interior decorations.

- Print on a wide range of media, including coated media or polyester fabric[3] and low-cost papers without treatments.

- Produce vehicle wraps with HP Latex Inks that outperform eco-solvent inks.

- Expect the most out of each application when you use the broad portfolio of Original HP printing materials.

EASY, AUTOMATIC, LOW MAINTENANCE PRINTING

- Experience easy, unattended printing with HP Thermal Inkjet printheads and automatic maintenance.

- Experience greater uptime—with user-replaceable printheads you can avoid the delay and expense of a service call.

- Automatically achieve high image quality and consistency with the HP Optical Media Advance Sensor (OMAS) and embedded spectrophotometer.

- Post-print production is easy with prints that come off the printer dry and ready—for lamination, packaging, shipping, and display.

- Minimize interruptions with pro-active alerts and the embedded Web server, which is accessible through your preferred RIP.

GO GREEN, IMPROVE YOUR OPERATOR'S WORK ENVIRONMENT

- Provide your print operators with an improved working environment—without the health and safety considerations of printshops that use eco-solvent-based printers.

- Build a competitive edge with odorless prints[4] that allow placement in areas where odor is a concern.

- No special ventilation equipment[5] or external dryer requirement helps keep energy costs down.

- Distinguish your business and attract new environmentally focused customers by offering a complete solution—including water-based HP Latex Inks and HP recyclable media.[6]

- Take advantage of free, convenient HP programs for recycling Original HP ink cartridges and printheads,[7] and prints produced on HP recyclable media.[6]

ecoHIGHLIGHTS
HP DESIGNJET L25500 PRINTER SERIES

- Water-based HP Latex Inks—no hazard warning labels, no HAPs[1]
- No special ventilation required[2]
- Prints odorless signs & graphics[3]
- Range of recyclable HP media available, with take-back program[4]
- ENERGY STAR® qualified product

www.hp.com/ecosolutions

Please recycle your computing hardware and printing supplies. Find out how at our website.

SAVE TIME AND EXPENSE WITH **USER-REPLACEABLE PRINTHEADS**

The HP Designjet L25500 Printer series is designed to save you time and money. Printheads you can replace yourself eliminate the down-time and expense of a service call. And fully-automatic printhead testing and maintenance systems eliminate time-consuming daily manual maintenance.

GET HIGH PERFORMANCE WITH HP DOUBLE SWATH TECHNOLOGY

The HP Designjet L25500 uses pairs of staggered printheads in HP Double Swath Technology for a wide (1.7 inch/ 43.2 mm) print swath and higher throughput. To eliminate swath-to-swath banding, the print swaths overlap each other and nozzles printing in the same scan line (top and bottom printheads) are used together.

ELIMINATE WAITING TIME
WITH PRINTS THAT ARE COMPLETELY **DRY RIGHT OFF THE PRINTER**

Win business with faster turnaround times. Prints come out of the printer completely dry, so there's no waiting before you move on to lamination, finishing, or packing for shipment.

REVOLUTIONARY
HP LATEX INK TECHNOLOGIES
HAVE THE POWER
TO CHANGE YOUR FUTURE.

Innovative HP Latex Inks produce prints with the quality and durability of eco-solvent and low-solvent ink technologies[1] But they're water-based inks. So you get the application versatility, without the hassle associated with the environmental, health, and safety considerations of solvent-based inks.

PRODUCE
A REMARKABLY BROAD RANGE OF OUTDOOR AND INDOOR APPLICATIONS From rugged, eye-catching vehicle wraps that get ad campaigns moving to odorless indoor displays perfectly suited for sensitive hospital or restaurant environments, HP Latex Ink Technologies provide you with the opportunity to print on a wide range of solvent-compatible media including most low-cost uncoated media. **Expand your offering** and watch your print volumes grow.

To learn more about innovative HP Latex Ink Technologies, see:
WWW.HP.COM/GO/HP_LATEX_PRINTING_TECHNOLOGIES

ACHIEVE QUALITY AND CONSISTENCY WITH THE **OPTICAL MEDIA ADVANCE SENSOR** AND **OPTICAL DROP DETECTOR**

Featuring sophisticated media advance controls and automatic nozzle testing, this printer is designed to produce defect-free prints that help you avoid ink and media waste. The HP Optical Media Advance Sensor (OMAS) controls the media as it advances through the printer to minimize banding at high speeds. The Optical Drop Detector (ODD) automatically tests the drop ejection performance of every printhead nozzle to produce prints free of defects.

PROACTIVELY MANAGE YOUR PRINT JOBS WITH THE **EMBEDDED WEB SERVER**

Accessible using your preferred web browser[4], the Embedded Web server allows you to control print settings and monitor your printer's use of ink and media. Gain tighter control over your print jobs and prevent unnecessary ink and media waste.

PRINT CONTINUOUS, UNATTENDED RUNS WITH THE **TAKE-UP REEL,** INCLUDED STANDARD

Improve productivity by printing continuous, unattended runs—even overnight—and on long media rolls with the media take-up reel that comes standard on both 42-inch and 60-inch models of this printer.

INDOOR QUALITY
+
OUTDOOR DURABILITY
↓
LATEX

OUTDOOR DURABILITY

SAFE FOR ENVIRONMENT

LATEX

EASY MAINTENANCE

LOW COST PER COPY

eco-solvent ● + ● Water-based

LEAVE BEHIND THE HIGH MAINTENANCE AND SPECIAL REQUIREMENTS

No hazard warning labels and no special ventilation requirements[2] add up to **less hassle** and expense—and improve the work environment for your employees.

HELP YOUR BUSINESS, AND YOUR CUSTOMERS, **GO GREEN**

Offer your customers prints produced on **recyclable**[3] **and PVC-free** Original HP printing materials, and reduce the impact of printing on the environment.

HP DESIGNJET L25500
PRINTER SERIES

TECHNICAL SPECIFICATIONS

Print Speed[8]
	Up to 22.8 m²/hr (246 ft²/hr)

Media
Handling	Roll feed, take-up reel, automatic cutter for vinyl, paper-based media, backlit polyester film, and thin banners
Types	Banners, vinyls, films, fabrics, papers, mesh with liner
Size	**42-in models:** 58 to 106.7-cm (23 to 42-in) rolls **60-in models:** 58 to 152.4-cm (23 to 60-in) rolls
Loading	Up to 40 kg (88 lb) rolls, up to 18 cm (7.09 in) outside diameter, up to 24 kg (53 lb) on the take-up reel
Thickness	Up to 0.5 mm (19.7 mil)

Printing modes[8]
4-pass bidirectional	22.8 m²/h (246 ft²/hr)
4-pass unidirectional	15.4 m²/h (166 ft²/hr)
6-pass bidirectional	16.5 m²/h (178 ft²/hr)
6-pass unidirectional	10.3 m²/h (111 ft²/hr)
8-pass bidirectional	10.6 m²/h (114 ft²/hr)
8-pass unidirectional	7.9 m²/h (85 ft²/hr)
10-pass bidirectional	9.0 m²/h (97 ft²/hr)
10-pass unidirectional	6.3 m²/h (68 ft²/hr)
12-pass bidirectional	7.6 m²/h (81 ft²/hr)
12-pass unidirectional	5.1 m²/h (55 ft²/hr)
16-pass bidirectional	6.3 m²/h (68 ft²/hr)
16-pass unidirectional	3.9 m²/h (41 ft²/hr)
18-pass unidirectional	3.4 m²/h (37 ft²/hr)

Printing
Print resolution	1200 x 1200 dpi
Margins (top x bottom x left x right)	5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in)
Technology	HP Latex Printing Technologies
Ink types	HP Latex Inks
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Ink drop	12 pl
Ink cartridge size	775 ml
Printheads	6 (2 x yellow/black, 2 x cyan/light cyan, 2 x light magenta/magenta)
Nozzles	2112 per printhead (2 colors per printhead, 1056 nozzles per color)
Maximum print length	No physical limit (determined by RIP software or media roll length)[9]

Connectivity
Interfaces (standard)	1 Gigabit Ethernet (1000Base-T) port

Dimensions (w x d x h)
Printer	**42-in models:** 1985 x 690 x 1370 mm (78 x 27.5 x 54 in) **60-in models:** 2465 x 690 x 1370 mm (97 x 27.5 x 54 in)
Shipping	**42-in models:** 2230 x 810 x 1184 mm (87.8 x 31.9 x 46.6 in) **60-in models:** 2690 x 810 x 1184 mm (105.9 x 31.9 x 46.6 in)

Weight
Printer	**42-in models:** 161 kg (355 lb) **60-in models:** 181 kg (399 lb)
Shipping	**42-in models:** 250 kg (550 lb) **60-in models:** 310 kg (682 lb)

What's in the box
	Printer, printheads, cleaning Kit, cleaning container, ink funnel, printer stand, take-up reel, maintenance guide, setup poster, site guide, documentation software, power cords

Environmental ranges
Operating temperature	15 to 30° C (59 to 86° F)
Recommended operating temperature	18 to 25° C (64 to 77° F)
Storage temperature	-25 to 55° C (-13 to 131° F)
Recommended operating humidity	20 to 80% RH (non-condensing)

Acoustic
Sound pressure, active	56 dB(A)
Sound pressure, standby	39 dB(A)
Sound power, active	7.5 B(A)
Sound power, standby	5.1 B(A)

Power consumption
Maximum	**42-in models:** 3.5 kW (two power cords) **60-in models:** 4.8 kW (two power cords)
Heat dissipation	**42-in models:** 12.3 kBtu/hr **60-in models:** 16.4 kBtu/hr
Powersave	< 17 watts (as per Energy Star rules)
Off	0.4 watts (two power cords)
Power requirements	**42-in models:** Input voltage (auto ranging) 200 to 240 VAC (-10% +6%), 50/60 Hz (+/- 3 Hz), 13 A max per power cord **60-in models:** Input voltage (auto ranging) 220 to 240 VAC (-10% +6%), 50/60 Hz (+/- 3 Hz), 15 A max per power cord

Certification
Safety	USA and Canada (CSA certified), EU (LVD and EN 60950-1 compliant), Russia (GOST), China (CCC)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), China (CCC), Japan (VCCI), Korea (KCC)
Environmental	WEEE, EU RoHS, China RoHS, REACH, EuP, FEMP
ENERGY STAR® qualified models	see: **www.hp.com/go/energystar**

Warranty
	One-year limited hardware warranty; 8-hour, 5 days a week phone support

FOR MORE INFORMATION, VISIT OUR WEBSITE AT
WWW.HP.COM/GO/DESIGNJETL25500

ORDERING INFORMATION

Product
CH955A	HP Designjet L25500 42-in Printer
CH956A	HP Designjet L25500 60-in Printer

Accessories
CQ154A	HP Designjet L25500 42-in Printer Spindle
CQ155A	HP Designjet L25500 60-in Printer Spindle

Original HP printheads
CH612A	HP 789 Yellow/Black Designjet Printhead
CH613A	HP 789 Cyan/Light Cyan Designjet Printhead
CH614A	HP 789 Light Magenta/Magenta Designjet Printhead

Original HP ink cartridges
CH615A	HP 789 775-ml Black Latex Designjet Ink Cartridge
CH616A	HP 789 775-ml Cyan Latex Designjet Ink Cartridge
CH617A	HP 789 775-ml Magenta Latex Designjet Ink Cartridge
CH618A	HP 789 775-ml Yellow Latex Designjet Ink Cartridge
CH619A	HP 789 775-ml Light Cyan Latex Designjet Ink Cartridge
CH620A	HP 789 775-ml Light Magenta Latex Designjet Ink Cartridge

Original HP maintenance supplies
CH621A	HP 789 Designjet Printhead Cleaning Kit
CH622A	HP 789 Designjet Printhead Cleaning Container

Original HP printing materials

Banners
	HP Durable Frontlit Scrim Banner
	HP Outdoor Frontlit Scrim Banner
	HP Backlit Scrim Banner
	HP HDPE Reinforced Banner—recyclable[6]

Self-adhesive materials
	HP Permanent Gloss Adhesive Vinyl
	HP Permanent Matte Adhesive Vinyl
	HP One-view Perforated Adhesive Window Vinyl—new
	HP Air Release Adhesive Gloss Cast Vinyl—new
	HP PVC-free Gloss Adhesive Film—new

Polyester fabric
	HP Wrinkle-free Flag with Liner—recyclable[6]
	HP Heavy Textile Banner—recyclable[6]
	HP Light Textile Display Banner—new, recyclable[6]

Papers
	HP Blue Back Billboard Paper
	HP Photo-realistic Poster Paper—recyclable[6]
	HP White Satin Poster Paper—new, recyclable[6]
	HP PVC-free Wall Paper—new

Mesh
	HP Mesh Banner with Liner

Specialty
	HP Satin Canvas
	HP DuPont™ Tyvek® Banner—recyclable[6]

Service and support
US218E	3 year, Next business day, Onsite, Designjet L25500 60-inch Support
US211E	3 year, 4 hour response 13 by 5 Onsite, Designjet L25500 60-inch Support
US212PE	1 year, Post Warranty, Next business day, Onsite, Designjet L25500 60-inch Support
US206PE	1 year, Post Warranty, 4 hour response 13 by 5 Onsite, Designjet L25500 60-inch Support
US203E	3 year, Next business day, Onsite, Designjet L25500 42-inch Support
US196E	3 year, 4 hour response 13 by 5 Onsite, Designjet L25500 42-inch Support
US197PE	1 year, Post Warranty, Next business day, Onsite, Designjet L25500 42-inch Support
US191PE	1 year, Post Warranty, 4 hour response 13 by 5 Onsite, Designjet L25500 42-inch Support

For more HP large-format printing materials and sizes please visit us online at:
www.hp.com/go/designjet/supplies

Software: For HP Certified third-party RIP solutions, please visit us online at:
www.hp.com/go/L25500/solutions

See Site Preparation Guide requirements to ensure complete compliance with all installation and operation requirements, safety procedures, warnings, cautions, and local regulations. Download this and other manuals from: **www.hp.com/go/L25500/manuals**

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. For more information, see **www.hp.com/go/supplies/printpermanence**.

3) For best results, print on polyester fabric that does not stretch. Performance may vary depending on media. Please consult your media supplier for compatibility details.

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

5) Special ventilation is not required to meet US 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.

6) HP offers the HP Large-format Media take-back program in the U.S. 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. For details visit **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.

7) 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.

8) Speed based on printing using full width (152.4 cm/60 in). Measured on an HP Designjet L25500 60-in Printer.

9) Recommended up to 30 m (100 ft).

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