HP Latex 3500 Printer

Efficient high-volume production for standardized workflows up to 3.2 m (126 in)

High quality at speed[1]

- Versatile HP Latex Technology and HP Latex Optimizer deliver high image quality at speed[1]

- Suppress banding even at high speeds with HP Dynamic Swath Alignment and OMAS technology—3 pass 120 m²/hr (1290 ft²/hr)[2]

- Superb quality for signage and decoration—wide color gamut, sharp, repeatable quality, 6 colors, 1200 dpi

- Retain media value—HP Latex Inks conform to the media surface, preserving gloss and texture, unlike UV

Drive a new level of highly efficient production

- Increase production capacity with heavy-duty rolls and 10-liter ink supplies, ideal for overnight printing

- Achieve quicker turnaround times—HP Latex In-line Slitters reduce bottlenecks in finishing

- Proof while printing with the LED Proofing Lights for on-printer visual assessment and proofing

- Highly unattended operation—Printer Status Beacon, HP Latex Mobile app[3] work together for remote monitoring

Help drive down costs

- Reduce material costs—economies of scale help reduce the cost per square meter

- Reduce waste—fewer roll changes help cut media waste

- Single operator roll change with dual-roll split spindles

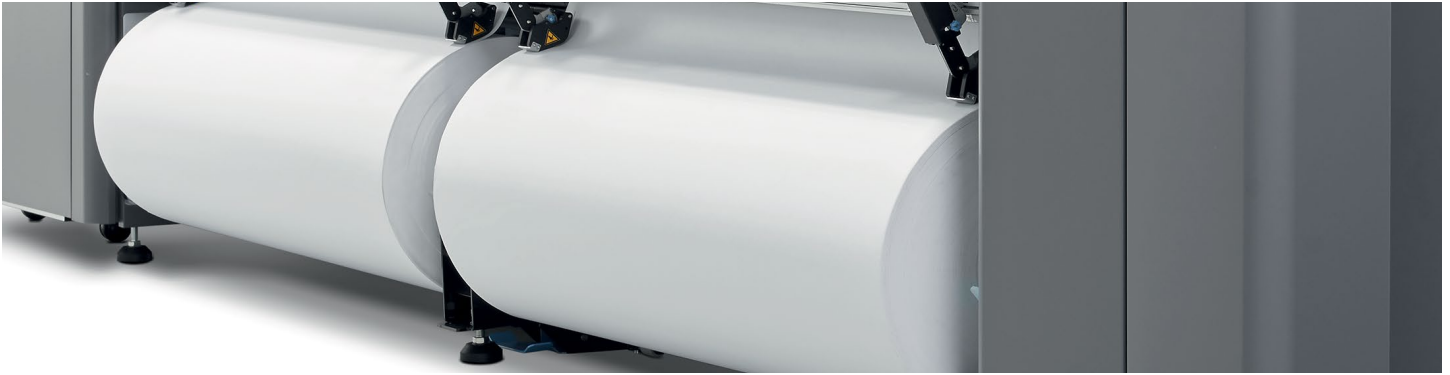- JDF enabled for integrating production data—for more accurate data analysis, accounting, and cost control

For more information, please visit
hp.com/go/Latex3500

Join the community, find tools, and talk to experts.
Visit the HP Latex Knowledge Center at
hp.com/communities/LKC

---

[1] The HP Latex 3500 Printer is based on HP Thermal Inkjet technology—seven printheads providing over 70,000 nozzles with 12 picoliter drops, nozzle redundancy, and automatic maintenance features—enabling high image quality at high speed over long runs compared to piezo-based technology.

[2] Printed in Outdoor mode (3-pass 6-color 80%).

[3] HP Latex Mobile is compatible with Android™ 4.1.2 or later and iOS 7 or later, and requires the printer and the smart phone or tablet to be connected to the Internet.

HP Latex 3500 Printer

Efficient high-volume production

The HP Latex 3500 Printer delivers a profound new level of productivity and operational efficiency for the most demanding sectors of industry, bringing new material handling and technological innovation designed for high-volume standardized workflows, making it ideal for dedicated application production.

Heavy-duty roll handling for printing oversized rolls responds to increasing industry trends for standardizing workflows, overnight printing, and the need for greater unattendedness around the printer to make the most of labor resources.

Single-roll handling of 1 x 300 kg (660 lbs), 40-cm (16-inches) diameter and dual-roll handling of 2 x 200 kg (440 lbs), 40-cm (16-inches) diameter makes it possible to print up to 8, 10—even 12 hours—of continuous uninterrupted printing.

HP Latex prints are completely cured inside the printer, forming a durable print that's ready for instant finishing, lamination, shipment, or display.

HP 3M 891 10-liter Latex Inks
Take advantage of the wide color gamut and versatile performance of HP Latex Inks, plus:

- Complement the oversized roll handling capabilities and productivity of the HP Latex 3500 Printer with 10-liter ink supplies—extending the production capacity of the printer

- Ideal for overnight printing, long runs, and dedicated application production

HP Latex 3500 Dual-roll Split Spindles
For quick, safe, single-operator roll change, especially when working with oversized rolls:

- Optional accessories of extra spindles for pre-loading media, to push efficiency even further

- Reducing roll changeover times

HP Latex In-line Slitters
Achieve quicker turnaround times:

- Reduce bottlenecks in finishing with the HP Latex In-line Slitters

- Significantly increased productivity compared to manual cutting, especially on very large, full-width 3.2-m prints where a 3.2-m cutting device is not available

- Tool-free setup saves time

- Cutting accuracy +/- 2 mm over 50 m[4]

Consistent image quality
Benefit from industry-leading innovation designed to maintain consistent image quality:

- Embedded spectrophotometer for closed-loop color calibration

- Automatic nozzle-out detection and replacement

- Automatic printhead cleaning

- HP Dynamic Swath Alignment and OMAS sensor suppress banding, even at high speeds

---

[4] +/- 2 mm over 50 m, average deviation across different media types during HP internal testing. Slitter accuracy is influenced by the accuracy of the media loading position, and how consistent the media has been wound on the roll by the manufacturer.

Build a healthier environment, inside and out[5]

Water-based HP Latex Inks enable a healthier approach to signage printing with advantages from the work zone to the point-of-display of finished prints:

PRODUCT CERTIFIED FOR REDUCED ENVIRONMENTAL IMPACT. VIEW SPECIFIC ATTRIBUTES EVALUATED: UL.COM/GG UL 2801

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS. VIEW SPECIFIC ATTRIBUTES EVALUATED: UL.COM/GG UL 2818

• Healthier printing with HP Latex—no special ventilation, no hazard warning labels or HAPs[5]

• UL ECOLOGO® Certified HP Latex Inks meet a range of stringent human health criteria[6]

• A safer workplace—HP Latex Inks are non-flammable, non-combustible and nickel free[7]

• UL GREENGUARD GOLD Certified HP Latex Inks;[8] produce odorless prints ideal for indoor display

LED Proofing Lights
Proof while printing, saving time and reducing waste:

• LED Proofing Lights for on-the-fly visual inspection and proofing

• Front light, and a backlight for back light applications

• No need to stop the printer, saving time, media, and ink

HP Latex Mobile application[9]
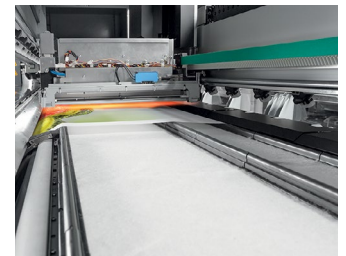Improve operational efficiency with confidence during unattended operation:

• The HP Latex Mobile app and the Printer Status Beacon work together to provide remote visibility of production

• Intuitive signaling systems

• Enables one operator to manage multiple printers and finishing equipment much more effectively

• Monitor job status

• Push-message notifications for warnings

• No need to be at the printer

JDF enabled
Integrate the HP Latex 3500 Printer production data directly into an MIS system or the RIP via JDF:

• JDF—the industry-standard communication language/protocol between devices

• Helps improve production planning

• More accurate costing and estimating

• Helps improve competitive pricing and profitability

• Data for LEAN initiatives and OEE analysis

• Helps reduce labor costs through automation

HP Latex 3000 Ink Collector Kit (optional)
Print unlined mesh banner and porous textiles:

• Simply install and remove the ink collector as needed

• Disposable foams absorb excess ink and are easy to replace when full

• Easy post-printing clean up and disposal with the advantages of HP Latex Inks, unlike printing mesh and textiles with UV inks

---

[5] Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation. Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer—see the Site Preparation Guide for details. Customers should consult state and local requirements and regulations. Contains no Hazardous Air Pollutants according to EPA Method 311.

[6] UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of multi-attribute, lifecycle based criteria related to human health and environmental considerations (see ul.com/EL).

[7] Water-based HP Latex Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. Testing per the Pensky-Martens Closed Cup method demonstrated flash point greater than 110° C. Nickel free demonstrated according to testing conducted for HP Latex Inks to achieve UL ECOLOGO® Certification. UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of multi-attribute, lifecycle based criteria related to human health and environmental considerations (see ul.com/EL).

[8] UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org.

[9] HP Latex Mobile is compatible with Android™ 4.1.2 or later and iOS 7 or later, and requires the printer and the smart phone or tablet to be connected to the Internet.

Technical specifications

Printing	Printing modes	27 m²/hr (290 ft²/hr) - High Saturation Backlits (18-pass 6c 230%)
		44 m²/hr (470 ft²/hr) - Textiles and Canvas (10-pass 6c 170%)
		77 m²/hr (830 ft²/hr) - Indoor High Quality (6-pass 6c 100%)
		120 m²/hr (1290 ft²/hr) - Outdoor (3-pass 6c 80%)
		180 m²/hr (1950 ft²/hr) - Billboard (2-pass 4c 70%)
	Print resolution	Up to 1200 x 1200 dpi
	Ink cartridges	Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer
	Cartridge size	10 liter
	Color consistency	Maximum color difference (95% of colors) <= 2 dE2000[10]
Media	Handling	Roll-to-roll, roll-to-free fall, roll-to-collector, dual-roll, double-sided blockout
	Media types	Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas; mesh and porous textiles with optional ink collector
	Roll size	Single roll up to 3.2 m (126 in)
		Dual roll up to 2 x 1.55 m (2 x 61 in)
	Roll weight	Single roll up to 300 kg (660 lb)
		Dual roll up to 2 x 200 kg (2 x 440 lb)
	Roll diameter	Up to 40 cm (15.75 in)
	Thickness	Up to 0.4 mm (0.015 in), by default
		Up to 2.0 mm (0.08 in), with custom carriage height setting
	Double-sided blockout	Registration accuracy 5 mm/m (0.06 in/ft), intended for double-sided PVC blockout banners
	Double-sided backlit (optional)	Registration accuracy of 2 mm (0.08 in),[11] intended for double-sided backlit outdoor advertising applications
Dimensions (w x d x h)		Printer: 598 x 172 x 187 cm (235 x 68 x 74 in)
		Shipping: 586 x 193 x 216 cm (231 x 76 x 85 in)
Weight		Printer: 1870 kg (4120 lb); Shipping: 2630 kg (5800 lb)
What's in the box		HP Latex 3500 Printer, HP 881 Latex Printheads, HP 881 Latex Cleaning Roll, 126-in spindles (x2), HP Latex 3500 Dual Roll Split Spindles (x4); HP Latex 3500 dual roll center support and docking plate, HP Internal Print Server, HP webcam, documentation software, user manual, media edge holders (x4), in-line slitters (x4), Original HP sample media, cleaning supplies, spindle supports (x2), pneumatic gun
Environmental ranges		Standard operating conditions:
		Temperature: 15 to 30°C (59 to 86°F)
		Humidity: 20 to 70% RH (non-condensing)
		Optimal IQ operating conditions:
		Temperature: 20 to 25°C (68 to 77°F)
		Humidity: 30 to 60% RH (non-condensing)
Power consumption		9 kW (typical) - high-quality indoor mode (6-pass)
		11 kW (typical) - outdoor mode (3-pass)
Certification	Safety	IEC 60950-1+A1 compliant; United States and Canada (CSA listed); EU (LVD and MD compliant, EN60950-1, EN12100-1, EN60204-1, and EN1010); Russia, Belarus and Kazakhstan (EAC); Australia, New Zealand (RCM)
	Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM)
	Environmental	WEEE, EU RoHS, China RoHS, REACH
Warranty		One-year limited hardware warranty

Ordering information

Product	K4G10A	HP Latex 3500 Printer
Accessories	L5E74A	HP Scitex Caldera Grand RIP v10 Software
	D9Z41A	HP Scitex Onyx Thrive 211 RIP Software
	M2J33A	HP Latex In-line Slitters
	J8J14A	HP Latex 3000 Double-sided Day Night Kit
	Z3R55A	HP Latex 3000 Day Night Edge Holder Kit
	Z3R56A	HP Latex 3000 Day Night Protector Media
	CZ065A	HP Latex 3000 Ink Collector Kit
	F1V49A	HP Latex 3000 Ink Collector Foams Kit
	F0D27A	HP Latex 3000 Edge Holder Kit
	CZ059A	HP Latex 126-in Carbon Fiber Spindle
	L2E28A	HP Latex 3500 Dual Roll Split Spindles
Original HP printheads	CR327A	HP 881 Yellow/Magenta Latex Printhead
	CR328A	HP 881 Cyan/Black Latex Printhead
	CR329A	HP 881 Light Magenta/Light Cyan Latex Printhead
	CR330A	HP 881 Latex Optimizer Printhead
Original HP ink cartridges and maintenance supplies	G0Y72A	HP & 3M™ 891 10-liter Cyan Latex Ink Cartridge
	G0Y73A	HP & 3M™ 891 10-liter Magenta Latex Ink Cartridge
	G0Y74A	HP & 3M™ 891 10-liter Yellow Latex Ink Cartridge
	G0Y75A	HP & 3M™ 891 10-liter Black Latex Ink Cartridge
	G0Y76A	HP & 3M™ 891 10-liter Light Cyan Latex Ink Cartridge
	G0Y77A	HP & 3M™ 891 10-liter Light Magenta Latex Ink Cartridge
	G0Y78A	HP & 3M™ 891 10-liter Latex Optimizer Ink Cartridge
	CR339B	HP 881 Latex Cleaning Roll
Original HP large format printing materials		HP printing materials are designed together with HP Latex Inks and HP Latex printers to provide optimal image quality, consistency, and reliability.
		HP Permanent Gloss Adhesive Vinyl REACH[12]
		HP Premium Poster Paper ♲,[13] FSC® certified[14]
		HP Backlit Polyester Film ♲[13]
		HP PVC-free Durable Smooth Wall Paper REACH,[12] FSC® certified,[14] UL GREENGUARD GOLD Certified[15]
		HP Premium Satin Canvas
		For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.
Service kits	D4J02A	HP Latex 3000 Series Standard Uptime kit D4J02A
	M7J62A/ K4G10-67076	HP Latex 3000 Series Extended Uptime Kit
	K4G10-67077	HP Latex 3500 Extended Delta Kit
	M7J49A/ K4G10-67078	HP Latex 3100/3500 Printer Maint. Kit
	CZ056-67494	HP Latex 3000 Series Service Maintenance Kit
Service contracts	HK707AC-K4G10A	HP Parts and Remote Hardware Support Contract

[10] The color variation inside a printed job has been measured to be within this limit: maximum color difference (95% of colors) <= 2 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

[11] Printing double-sided backlit applications requires the optional HP Latex 3000 Double-sided Day Night Kit. Front-to-back image registration accuracy of 2 mm or better when using certified PVC banner and paper media, see hp.com/go/mediasolutionslocator.

[12] This product does not contain substances listed as SVHC (155) per Annex XIV of the EU REACH directive published as of June 16, 2014 in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the HP REACH Declaration published at HP Printing Products and Consumable Supplies.

[13] HP Large Format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See HPLFMedia.com/hp/ecosolutions for details.

[14] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions.

[15] UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org.