



# HP Latex 3500 Printer

Efficient high-volume production for standardized workflows



## High quality at speed<sup>1</sup>

- Versatile HP Latex Technology and HP Latex Optimizer deliver high image quality at speed<sup>1</sup>
- Suppress banding even at high speeds with HP Dynamic Swath Alignment and OMAS technology—3 pass 120 m<sup>2</sup>/hr (1290 ft<sup>2</sup>/hr)<sup>2</sup>
- 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<sup>3</sup> 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](http://hp.com/go/Latex3500)

Join the community, find tools, and talk to experts.  
Visit the HP Latex Knowledge Center at  
[hp.com/communities/HPLatex](http://hp.com/communities/HPLatex)

<sup>1</sup> 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.

<sup>2</sup> Printed in Outdoor mode (3-pass 6-color 80%).

<sup>3</sup> HP Latex Mobile is compatible with Android™ 4.1.2 or later and iPhone mobile digital devices running iOS 6 or later, and requires the printer and the smart phone to be connected to the Internet. Support for tablet devices available as of September, 2015.



## 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 diameter (16 inches) and dual-roll handling of 2 x 200 kg (440 lbs), 40 cm diameter (16 inches) 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



### 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



### 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 set up saves time
- Cutting accuracy +/- 2 mm over 50 m<sup>4</sup>



### 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
- Dynamic Swath Alignment and OMAS sensor for suppressing banding, even at high speeds

<sup>4</sup> +/- 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.



**PRODUCT CERTIFIED FOR REDUCED ENVIRONMENTAL IMPACT. VIEW SPECIFIC ATTRIBUTES EVALUATED:**  
[UL.COM/GG UL 2801](http://UL.COM/GG UL 2801)



**PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS. VIEW SPECIFIC ATTRIBUTES EVALUATED:**  
[UL.COM/GG UL 2818](http://UL.COM/GG UL 2818)

## Build a healthier environment, inside and out<sup>5</sup>

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:

- Healthier printing with HP Latex—no special ventilation, no hazard warning labels or HAPs<sup>5</sup>
- UL ECOLOGO® Certified HP Latex Inks meet a range of stringent human health criteria<sup>6</sup>
- A safer workplace—HP Latex Inks are non-flammable, non-combustible and nickel free<sup>7</sup>
- UL GREENGUARD GOLD Certified HP Latex Inks,<sup>8</sup> 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 backlit applications
- No need to stop the printer, saving time, media, and ink



### HP Latex Mobile application<sup>9</sup>

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 to 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

<sup>5</sup> 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.

<sup>6</sup> 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](http://ul.com/EL)).

<sup>7</sup> Water-based HP Latex Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. Testing per the Pensky-Martins 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](http://ul.com/EL)).

<sup>8</sup> 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](http://ul.com/gg) or [greenguard.org](http://greenguard.org).

<sup>9</sup> Only HP Latex 300 series printers are supported. Additional printer support will be announced when available. HP Latex Mobile is compatible with Android™ 4.1.2 or later and iPhone mobile digital devices running iOS 6 or later, and requires the printer and the smart phone to be connected to the Internet. Support for HP Latex 3000 Printer series and tablet devices available as of September, 2015.

## Technical specifications

<b>Printing</b>	Printing modes	27 m <sup>2</sup> /hr (290 ft <sup>2</sup> /hr) - High Saturation Backlits (18-pass 6c 230%) 44 m <sup>2</sup> /hr (470 ft <sup>2</sup> /hr) - Textiles and Canvas (10-pass 6c 170%) 77 m <sup>2</sup> /hr (830 ft <sup>2</sup> /hr) - Indoor High Quality (6-pass 6c 100%) 120 m <sup>2</sup> /hr (1290 ft <sup>2</sup> /hr) - Outdoor (3-pass 6c 80%) 180 m <sup>2</sup> /hr (1950 ft <sup>2</sup> /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 <sup>10</sup>
	<b>Media</b>	Handling
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 (650 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		Registration accuracy 5 mm/m (0.06 in/ft), intended for double-sided PVC blackout banners
<b>Dimensions (w x d x h)</b>		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)
<b>Weight</b>	Printer: 1870 kg (4120 lb); Shipping: 2630 kg (5800 lb)	
<b>What's in the box</b>	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	
<b>Environmental ranges</b>	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)
	<b>Power consumption</b>	9 kW (typical) - high-quality indoor mode (6-pass) 11 kW (typical) - outdoor mode (3-pass)
	<b>Certification</b>	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
<b>Warranty</b>	One-year limited hardware warranty	



## Ordering information

<b>Product</b>	K4G10A	HP Latex 3500 Printer
<b>Accessories</b>	CQ755B	HP Scitex Caldera RIP Software
	D9Z41A	HP Scitex Onyx Thrive 211 RIP Software
	M2J33A	HP Latex In-line Slitters
	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
<b>Original HP printheads</b>	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
	<b>Original HP ink cartridges and maintenance supplies</b>	G0Y72A
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
CR339A		HP 881 Latex Cleaning Roll
<b>Original HP large format printing materials</b>		HP printing materials are designed together with HP Latex Inks and HP Latex printers to provide optimal image quality, consistency, and reliability. HP PVC-free Wall Paper (FSC® and UL GREENGUARD GOLD Certified) <sup>11</sup> HP Permanent Gloss Adhesive Vinyl REACH <sup>12</sup> HP Backlit Polyester Film  <sup>13</sup> HP Premium Satin Canvas For the entire HP Large Format Printing Materials portfolio, please see <a href="http://HPLFMedia.com">HPLFMedia.com</a> .
	<b>Service kits</b>	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 CZ056-67310 HP Latex 3000 Series Service Maintenance Kit
	<b>Service contracts</b>	HK707AC- K4G10A HP Parts and Remote Hardware Support Contract

<sup>10</sup> 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.

<sup>11</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions. 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](http://ul.com/gg) or [greenguard.org](http://greenguard.org).

<sup>12</sup> 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](http://HP Printing Products and Consumable Supplies).

<sup>13</sup> HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.

