HP Latex 3500 Printer

Efficient high-volume production for standardized workflows

High quality at speed¹

- Versatile HP Latex Technology and HP Latex Optimizer deliver high image quality at speed²
- Suppress banding even at high speeds with HP Dynamic Swath Alignment and QMAS technology—3 pass 120 m²/hr (1290 ft²/hr)³
- 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

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

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 app⁴ work together for remote monitoring

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/HPLatex

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 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

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 surpassing 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

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\(^5\)

• 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

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\(^1\) 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.

\(^2\) 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).

\(^3\) 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).

\(^4\) 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.

\(^5\) 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

**Printing**

- **Printing modes**: 27 m²/hr (300 ft²/hr) – High Saturation Backlights (18-pass & 230%)  
- **Ink cartridges**: Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer

**Media**

- **Roll handling**: Roll-to-roll, roll-to-free fall, roll-to-collector, dual-roll, double sided  
- **Media types**: Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas. Mesh and porous textiles with optional ink collector.

**Environmental ranges**

- **Standard operating conditions**: 
  - Temperature: 15 to 30°C (59 to 86°F)  
  - Humidity: 20 to 70% 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, EN62041-1, and EN1010); Russia, Belarus and Kazakhstan (EAC); Australia, New Zealand (RCM)

**Environmental**

- WEEE, EU RoHS, China RoHS, REACH

**Warranty**

- One-year limited hardware warranty

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**Ordering information**

**Product**

- K4G10A – HP Latex 3500 Printer

**Accessories**

- CQ755B – HP Scitex Eldera RIP Software
- D9241A – HP Scitex Onyx Thrive 211 RIP Software
- M2J33A – HP Latex In-line Slitters
- CZ065A – HP Latex 3000 Ink Collector Kit
- F1V45A – HP Latex 3000 Ink Collector Foams Kit
- FOD27A – HP Latex 3000 Edge Holder Kit
- CZ099A – HP Latex 126-in Carbon Fiber Spindle
- L2E28A – HP Latex 3500 Dual Roll Split Spindles
- 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 Latex Optimizer Printhead

**Original HP ink cartridges and maintenance supplies**

- GDY72A – HP 3M 891 10-liter Cyan Latex Ink Cartridge
- GDY73A – HP 3M 891 10-liter Magenta Latex Ink Cartridge
- GDY74A – HP 3M 891 10-liter Yellow Latex Ink Cartridge
- GDY75A – HP 3M 891 10-liter Black Latex Ink Cartridge
- GDY76A – HP 3M 891 10-liter Light Cyan Latex Ink Cartridge
- GDY77A – HP 3M 891 10-liter Light Magenta Latex Ink Cartridge
- GDY78A – HP 3M 891 10-liter Light Yellow Latex Ink Cartridge
- CR339A – 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.

**Service kits**

- D4J02A – HP Latex 3000 Series Standard Uptime Kit
- 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

**Service contracts**

- HK707AC-K4G10A – HP Parts and Remote Hardware Support Contract

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**What's in the box**

- HP Latex 3500 Printer, HP 881 Latex Printheads, HP 881 Latex Printer:
  - 1870 kg (4120 lb); Shipping:
  - 2630 kg (5800 lb)

**Shipping dimensions**

- (w x d x h): 586 x 193 x 216 cm (231 x 76 x 85 in)

**Printing modes**

- 27 m²/hr (300 ft²/hr) – High Saturation Backlights (18-pass & 230%)  
- 44 m²/hr (470 ft²/hr) – Textiles and Canvas (10-pass & 170%)  
- 77 m²/hr (830 ft²/hr) – Indoor High Quality (6-pass & 100%)  
- 120 m²/hr (1290 ft²/hr) – Outdoor (3-pass & 80%)  
- 180 m²/hr (1950 ft²/hr) – Billboard (2-pass & 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

**Environmental**

- WEEE, EU RoHS, China RoHS, REACH

**Ink cartridges**

- Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer

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**Certification**

- IEC 60950-1+A1 compliant; United States and Canada (CSA listed); EU (LVD and MD compliant; EN60950-1, EN12100-1, EN62041-1, and EN1010); Russia, Belarus and Kazakhstan (EAC); Australia, New Zealand (RCM)

**Electromagnetic**

- Compliant with 3rd A requirements, including USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM)

**Environmental**

- WEEE, EU RoHS, China RoHS, REACH

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**Warranty**

- One-year limited hardware warranty

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