HP Latex 3000 Printer

The new industrial revolution

Produce high-quality results, gain versatility

- Produce fine details, a wide color gamut, and a flexible ink layer with 6 colors and 1200 dpi resolution
- Enjoy wide media versatility, including heat-sensitive media, with high-efficiency curing[1]
- Achieve high quality at production speeds using HP Latex Optimizer
- Consider unlaminated use with scratch resistance comparable to hard-solvent inks on SAV and PVC banner[2]

Enable industrial productivity and efficiency

- Gain no-compromise productivity—77 m^2/hr (830 ft^2/hr) indoor,[3] 120 m^2/hr (1290 ft^2/hr) outdoor quality[4]
- Shorten time to delivery—prints come out completely dry and ready for lamination or finishing
- Reduce intervention times and load media quickly and easily—inflatable, dual-roll spindles come standard
- Boost your uptime with HP Scitex Print Care proactive maintenance scheduler, automated diagnostics and alerts

For more information, please visit
hp.com/go/Latex3000

Find a comprehensive list of all latex compatible media along with finished color profiles and printer settings at
hp.com/go/mediasolutionslocator

Build a healthier environment, inside and out[5]

- Reach new indoor spaces that solvent, UV can't like healthcare—water-based HP Latex Ink prints are odorless
- Healthier printing with HP Latex[5]—no special ventilation required, no hazard warning labels or HAPs, nickel free[6]
- Meet high standards—HP Latex Inks are UL ECOLOGO® and GREENGUARD GOLD Certified[7]
- Create prints that meet AgBB criteria[8] and are rated A+ according to Émissions dans l'air intérieur[9]

---

1 High-efficiency curing includes two zones, drying lamps in the print zone and a curing module in the post-print zone. The drying lamps in the print zone include power settings that were designed for high performance and safe operation with HP 881 Latex Inks. If inks other than Original HP 881 Latex Inks are used, the drying lamps will be automatically switched off.

2 Scratch-resistance comparison based on testing HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.

3 Printed in Indoor High Quality mode (6-pass 6-color 100%).

4 Printed in Outdoor mode (3-pass 6-color 80%).

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.

6 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. HP Latex Inks were tested for Hazardous Air Pollutants, as defined in the Clean Air Act, per U.S. Environmental Protection Agency Method 311 (testing conducted in 2013) and none were detected. 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 stringent criteria related to human health and environmental considerations (see ul.com/EL).

7 UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see ul.com/EL). GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org.

8 HP WallArt printed on HP PVC-free Wall Paper and other prints on HP PVC-free Wall Paper printed with HP Latex Inks meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products, see umweltbundesamt.de/en/topics/health/commissions-working-groups/ausschuss-zur-gesundheitlichen-bewertung-von.

9 Émissions dans l'air intérieur provides a statement on the level of emission of volatile substances in indoor air posing health risks if inhaled—on a scale from A+ (very low-emission) to C (high-emission).

Take advantage of third-generation HP Latex Printing Technologies

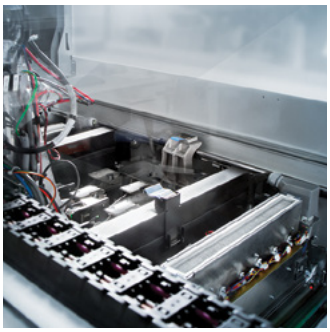
HP Latex Inks are water-based inks that combine the best characteristics of solvent inks and water-based inks. You can obtain outdoor durability and versatility across all common media types used in sign and display applications, together with high quality, odorless prints, low maintenance, and the environmental advantages of water-based inks.

Prints made with HP Latex Inks are completely cured inside the printer to form a durable image that's ready for lamination, finishing, shipment, or display.

The HP Latex 3000 Printer features a number of significant innovations that take the benefits of water-based HP Latex Inks to a new level with industrial-scale speed and efficiencies.

HP 881 Latex Inks
Take advantage of the wide color gamut and versatile performance of HP Latex Inks, plus:

- Scratch resistance comparable to hard solvent inks on self-adhesive vinyl and PVC banner[10]
- Consider using prints unlaminated for short-term applications such as events and exhibition graphics



HP 881 Latex Printheads
Experience high-productivity printing:

- Seven printheads provide over 70,000 nozzles with 12 picoliter drops
- High-speed, reliable fiber optic cable data transfer to print carriage at up to 10 Gbits/second

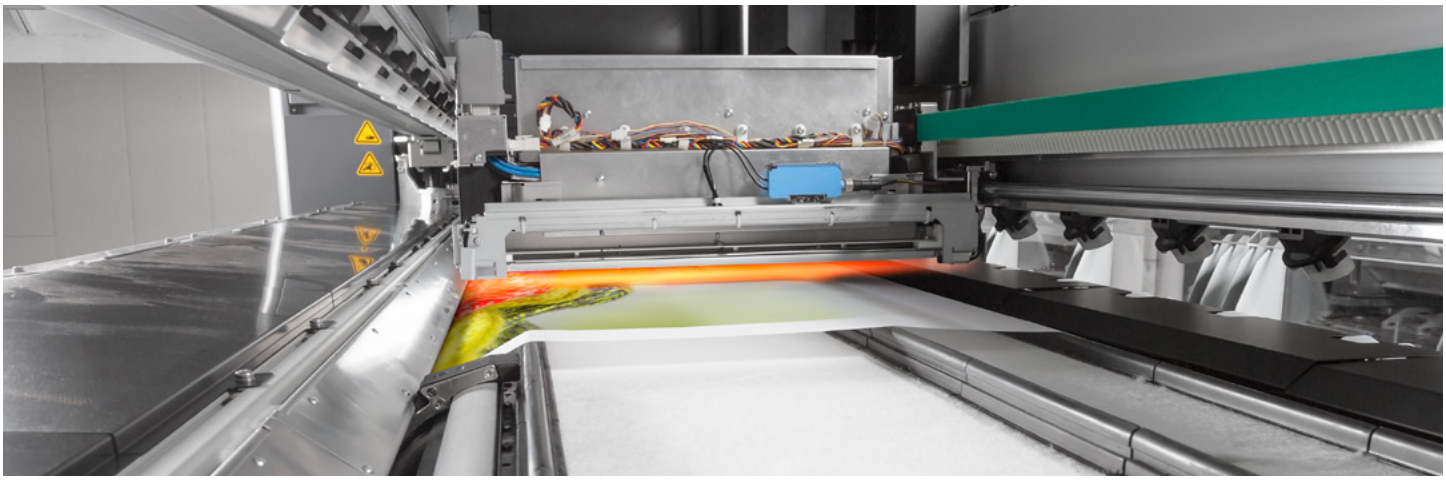
HP Latex Optimizer
Achieve high image quality at high productivity:

- Interacts with HP Latex Inks to rapidly immobilize pigments on the surface of the print

High-efficiency curing[11]
Enables wide media versatility, including heat-sensitive media:

- Drying and curing systems designed for high energy efficiency
- Up to 77 m^2/hr (830 ft^2/hr) indoor quality with 9 kW of power[12]

[10] Scratch-resistance comparison based on testing HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.
[11] High-efficiency curing includes two zones, drying lamps in the print zone and a curing module in the post-print zone. The drying lamps in the print zone include power settings that were designed for high performance and safe operation with HP 881 Latex Inks. If inks other than Original HP 881 Latex Inks are used, the drying lamps will be automatically switched off.
[12] Printed in Indoor High Quality mode (6-pass 6-color 100%).



Optional accessory–HP Latex 3000 Ink Collector Kit

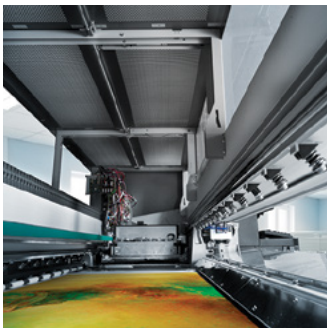
- Print unlined mesh banner and porous textiles, including flag and voile
- Simply install and remove the ink collector as needed
- Disposable foams absorb excess ink and are easy to replace when full

Improve uptime and productivity with HP Services

HP Services offer you a broad portfolio of proven support programs to help keep your business running productively including HP Care Pack Services, preventive maintenance kits, and HP Support Programs.

Color consistency
Print panels or tiles with excellent color consistency for an edge-to-edge match:

- Embedded spectro-photometer enables automatic calibration
- Delivers consistent colors to <= 2 dE2000[13]



Dynamic Swath Alignment (DSA)
Suppresses banding from even small media advance errors:

- OMAS sensor precisely measures media advance
- DSA electronically selects nozzles to dynamically align print swaths

Eco Highlights

- Healthier printing with HP Latex—no special ventilation, no hazard warning labels or HAPs[1]
- Meet high standards—HP Latex Inks are UL ECOLOGO® and GREENGUARD GOLD Certified[2]
- Create prints that meet AgBB criteria and are rated A+ per Émissions dans l'air intérieur[3]
- A safer workplace—HP Latex Inks are non-flammable, non-combustible and nickel free[4]

[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 detected Hazardous Air Pollutants according to EPA Method 311.

[2] UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see ul.com/EL). GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org.

[3] HP WallArt printed on HP PVC-free Wall Paper and other prints on HP PVC-free Wall Paper printed with HP Latex Inks meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products (see umweltbundesamt.de/en/topics/health/commissions-working-groups/ausschuss-zur-gesundheitlichen-bewertung-von). Émissions dans l'air intérieur provides a statement on the level of emission of volatile substances in indoor air posing health risks if inhaled—on a scale from A+ (very low-emission) to C (high-emission).

[4] 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 stringent criteria related to human health and environmental considerations (see ul.com/EL).

Please recycle large-format printing hardware and printing supplies.

Find out how at our website
hp.com/ecosolutions

[13] 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.

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	5 liter
	Color consistency	Maximum color difference (95% of colors) <= 2 dE2000[14]
Media	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.
	Roll size	Single roll up to 3.2 m (126 in) Dual roll up to 2 x 1.60 m (2 x 63 in)
	Roll weight	Single roll up to 160 kg (350 lb) Dual roll up to 2 x 70 kg (2 x 155 lb)
	Roll diameter	Up to 30 cm (11.8 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 blockout banners
Dimensions (w x d x h)	Printer: 598 x 172 x 167 cm (235 x 68 x 66 in) Shipping: 586 x 193 x 216 cm (231 x 76 x 85 in)	
Weight	Printer: 1500 kg (3307 lb); Shipping: 2000 kg (4409 lb)	
What's in the box	HP Latex 3000 Printer, HP 881 Latex Printheads, HP 881 Latex Cleaning Roll, 126-in spindles (x2), 126-in dual roll spindles (2x), HP Internal Print Server, HP webcam, USB cable, documentation software, user manual, media edge holders, 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, UL
Warranty	One-year limited hardware warranty	

Ordering information

Product	CZ056A	HP Latex 3000 Printer
Accessories	CQ755B	HP Scitex Caldera RIP Software
	D9Z41A	HP Scitex Onyx Thrive 211 RIP Software
	F0D27A	HP Latex 3000 Edge Holder Kit
	CZ065A	HP Latex 3000 Ink Collector Kit
	F1V49A	HP Latex 3000 Ink Collector Foams Kit
	CZ059A	HP Latex 126-in Carbon Fiber Spindle
	G1K80A	HP Latex 126-in Dual Roll Spindle
	E9Q83A	HP Latex Dual Roll Center Support Kit
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	CR331A	HP 881 5-liter Cyan Latex Ink Cartridge
	CR332A	HP 881 5-liter Magenta Latex Ink Cartridge
	CR333A	HP 881 5-liter Yellow Latex Ink Cartridge
	CR334A	HP 881 5-liter Black Latex Ink Cartridge
	CR335A	HP 881 5-liter Light Cyan Latex Ink Cartridge
	CR336A	HP 881 5-liter Light Magenta Latex Ink Cartridge
	CR337A	HP 881 5-liter Latex Optimizer 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.	
	HP PVC-free Wall Paper (FSC® and GREENGUARD GOLD Certified)[15]	
	HP Everyday Matte Polypropylene, 3-in Core[16]	
	HP Backlit Polyester Film[16]	
	HP Premium Satin Canvas	
	For the entire HP Large Format Printing Materials portfolio, please see globalBMG.com/hp.	
Service kits	D9R11A	(AMS) HP Latex 3000 Printer Maintenance Kit
	CZ056-67391	(EMEA/APJ) HP Latex 3000 Printer Maintenance Kit
	CZ056-67310	HP Latex 3000 Service Maintenance Kit
Service contracts	HA151AC-CZ056A	Full Coverage Maintenance Support Contract
	HK707AC-CZ056A	Parts & Remote Maintenance Support Contract

[14] 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.

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

[16] HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See hp.com/recycle for details.

3M™ MCS™ Warranty

4AA4-6117ENW, December 2014, Rev. 5