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—carbon-fiber, 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

Differentiate with high environmental standards

- Deliver odorless prints,[5] ideal for sensitive indoor display environments.
- High environmental standards—HP Latex Inks are UL ECOLOGO and GREENGUARD Children & Schools Certified℠.[6]
- Create prints that meet AgBB criteria and are rated A+ according to Émissions dans l'air intérieur.[7]
- Water-based HP Latex Inks—no special ventilation,[8] no hazard warning labels, no HAPs,[9] nickel-free.[10]

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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 high-quality indoor (6-pass 6-color) mode.

4 Printed in outdoor (3-pass 6-color) mode.

5 Some substrates may have inherent odor.

6 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). HP Latex Inks are GREENGUARD Children and Schools Certified℠ (see greenguard.org).

7 HP PVC-free Wall Paper printed with HP Latex Inks meets AgBB criteria for health-related evaluation of VOC emissions of indoor building products (see umweltbundesamt.de/produkte-e/bauprodukte/agbb.htm). 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).

8 Special ventilation is not required to meet U.S. 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.

9 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.

10 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).

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,[11] 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[12]
- 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[13]
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[14]

[11] Some substrates may have inherent odor.

[12] 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.

[13] 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.

[14] Printed in 6-color 6-pass mode at 77 m^2/hr (830 ft^2/hr).

Improve uptime and productivity

The HP Latex 3000 Printer includes services to help improve uptime and productivity.

On-site Uptime Parts Kits
Stay up and running for higher production capability:

- Contains replacement parts that you can install without waiting for a service engineer
- Integrated printer diagnostics and wizards guide you through the replacement process

Ramp-up Training
Increase productivity, reduce downtime:

- Two days of operator training at your site
- Delivered four to eight weeks after installation, or whenever it's best for you
- Covers your specific media, applications, workflow, and maintenance

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 dE 2000[15]

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

- Produce odorless prints[1]
- Meet high standards—HP Latex Inks are UL ECOLOGO and GREENGUARD Children & Schools Certified[SM2]
- Create prints that meet AgBB criteria and are rated A+ per Émissions dans l'air intérieur[3]
- Water-based HP Latex Inks—no special ventilation required, no hazard warning label, no HAPs[4]

1 Some substrates may have inherent odor.
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). HP Latex Inks are GREENGUARD Children and Schools Certified[SM] (see greenguard.org).
3 HP PVC-free Wall Paper printed with HP Latex Inks meets AgBB criteria for health-related evaluation of VOC emissions of indoor building products (see umweltbundesamt.de/produkte-e/bauprodukte/agbb.htm). 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 Special ventilation is not required to meet U.S. 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. Contains no detected Hazardous Air Pollutants according to EPA Method 311.

Please recycle large-format printing hardware and printing supplies.
Find out how at our website
hp.com/ecosolutions

[15] The color variation inside a printed job has been measured to be within this limit: maximum color difference (95% of colors) <= 2 dE 2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE 2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE 2000. Backlit substrates measured in transmission mode may yield different results.

Technical specifications

Printing	Printing modes	35 m²/hr (375 ft²/hr) - High Saturation Backlits and Textiles (14-pass)
		44 m²/hr (470 ft²/hr) - Backlits, Textiles, and Canvas (10-pass)
		77 m²/hr (830 ft²/hr) - Indoor High Quality (6-pass)
		120 m²/hr (1290 ft²/hr) - Outdoor (3-pass)
		180 m²/hr (1950 ft²/hr) - Billboard (2-pass)
	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 dE 2000[16]
Media	Handling	Roll-to-roll, roll-to-free fall, roll-to-collector, dual-roll
	Media types	Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas, mesh (with liner), textiles (non porous or with liner)
	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)
	Roll diameter	Up to 30 cm (11.8 in)
	Thickness	Up to 0.8 mm (31.5 mil)
Dimensions (w x d x h)	Printer: 598 x 172 x 167 cm (235 x 68 x 66 in) Shipping: 586 x 173 x 216 cm (231 x 68 x 85 in)	
Weight	Printer: 1630 kg (3594 lb); Shipping: 2440 kg (5379 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	CZ060A	HP Latex 126-in Carbon Fiber Dual Roll
	CQ755B	HP Scitex Caldera RIP Software
	D9Z41A	HP Scitex Onyx Thrive 211 RIP Software
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 Children & Schools℠ Certified)[17]	
	HP HDPE Reinforced Banner ♻[18]	
	HP Light Textile Display Banner ♻[18]	
	HP Everyday Matte Polypropylene, 3-in Core ♻[18]	
	For the entire HP Large Format Printing Materials portfolio, please see globalBMG.com/hp/signagemedia.	
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

[16] The color variation inside a printed job has been measured to be within this limit: maximum color difference (95% of colors) <= 2 dE 2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE 2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE 2000. Backlit substrates measured in transmission mode may yield different results.

[17] FSC® trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. HP PVC-free Wall Paper printed with HP Latex Inks is GREENGUARD Children & Schools Certified℠. See greenguard.org.

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

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