



HP Latex R2000 Printer

Unprecedented quality and colours¹ on rigid up to 98 in (2.5 m), for sustained production



Achieve amazing colours on both rigid and flexible

- Get vibrant HP Latex colour gamut on rigid while preserving media gloss and feel, and prints with no smell.³
- One technology for the same look across rigid and flexible campaigns lets you say goodbye to print and mount.
- Durable and flexible water-based ink for high adhesion and scratch resistance with a new HP Latex Overcoat.⁴

Expand your offering with the glossiest white²

- Glossiest white on transparent and coloured media with high-opacity white that resists yellowing over time.²
- No waste between white jobs⁵ with removable HP Thermal Inkjet printheads stored in offline rotating chamber.
- Automatic maintenance makes white like any other colour, including automatic recirculation and nozzle checks.

Increase your productivity with smarter printing

- Meet production peaks with high-speed quality up to 13.4 indoor/24 outdoor boards/hr⁶, continuous loading.
- Advanced engineering drives high productivity with automatic maintenance, smart vacuum, and assisted loading.
- 3 years full coverage included with the price of the printer.

For more information, please visit
<http://www.hp.com/go/LatexR2000>

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

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <http://www.hp.com/go/learnaboutsupplies>

¹ Most vibrant colours based on internal HP testing, January 2018 compared to leading competitive printers under €350,000. Tested in High Quality print mode on rigid (white acrylic 12-pass, 6-colour, 120%). Internal HP testing with HP GamutViewer, Alpha Shapes = 50,000.

² Glossiest white based on internal HP testing in January, 2018 compared to the HP Scitex FB750/FB550 Printer using UV-curable ink technology. White ink measured for the level of gloss at 60 degrees on a rigid material (acrylic). Tested using Glossmeter BYK micro-TRI-gloss (20°, 60°, 85°), compatible with ISO 2813 and ASTM D523 relative to glossiness measure. High opacity and resists yellowing based on internal HP WeatherOmeter testing October, 2017 with 1 dot-per-pixel HP Latex Overcoat, on a range of rigid and flexible unlaminated substrates. Yellowing based on L* and B* of white underflood samples. White ink capability may be optional, requiring purchase of the HP White Ink Option Kit.

³ There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print.

⁴ HP Latex Overcoat improves scratch resistance on low-cost prints where lamination may be impractical or too expensive. Scratch resistance based on internal HP testing in January, 2018 demonstrating equivalent scratch-resistance performance for prints produced with HP Latex Links for the HP Latex R Printer series and HP Latex Links for the HP Latex 1500 Printer that provide scratch resistance comparable to representative hard-solvent inks on self-adhesive vinyl and PVC banner. Estimates by HP Image Permanence Lab on a range of media.

⁵ When HP 886 White Latex Printheads are placed in the storage cassettes, no white ink is used for servicing when printheads are not in use.

⁶ Indoor High Quality mode 6-pass, 6-colour, 100%. Outdoor mode 3-pass, 6-colour, 80%.

Technical specifications

Print	
Printing modes	20 m ² /hr (220 ft ² /hr) - Indoor High Quality (12p 120%) ¹ 46 m ² /hr (496 ft ² /hr) - Indoor Production (6p 110%) ¹ 88 m ² /hr (948 ft ² /hr) - Outdoor (3p 70%) ¹ 17 m ² /hr (183 ft ² /hr) - White Overflow (100%) ¹ 35 m ² /hr (380 ft ² /hr) - White Spot (100%) ¹
Ink types	HP Latex Inks
Ink cartridges	9 (cyan, magenta, yellow, black, light cyan, light magenta, HP Latex Optimiser, HP Latex Overcoat, white)
Cartridge size	5 L (colours, HP Latex Optimiser, HP Latex Overcoat); 3 L (white)
Printheads	8 (cyan/black, magenta/yellow, light cyan/light magenta, HP Latex Overcoat, 2 HP Latex Optimiser, 2 white)
Long-term print-to-print repeatability	Average \leq 1.0 dE2000, 95% of colours \leq 2 dE2000 ²
Media	
Handling	Flatbed, sheet feed, roll feed, vacuum belt media drive for easy loading and accurate media advance
Media types	Rigid substrates: paper foamboard, plastic foamboard, PVC foam, plastic corrugated, acrylic, polycarbonate, polystyrene, compressed cardboard, corrugated board, honeycomb board, aluminum composite panel, wood, glass, ceramic; Roll substrates: PVC banner, self-adhesive vinyl, coated paper, polypropylene, polystyrene, polycarbonate, polyester, textile (non porous), canvas
Rigid media size	Minimum 297 x 420 mm to 2500 x 1200 mm (up to 2500 x 3050 mm with two sets of original HP Latex R2000 extension tables). Maximum sheet weight 68 kg; (Minimum 11.7 x 16.5 in to 98 x 47 in (up to 98 x 120 in with two sets of optional extension tables). Maximum sheet weight 150 lb)
Roll size	60.9 cm to 2.49 m; (24 to 98.4 in)
Roll weight	100 kg; (220 lb)
Roll diameter	25 cm ; (9.8 in)
Thickness	Up to 50.8 mm (Up to 2 in)
Applications	
	Exhibition and event graphics; Exterior signage; Interior decoration; POP/POS; Short-run packaging; Textile; Vehicle graphics
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T)
Dimensions (w x d x h)	
Printer	5.10 x 2.04 x 1.75 m (printer); 5.10 x 3.64 x 1.75 m (including standard input and output tables) (201 x 80 x 69 in (printer); 201 x 143 x 69 in (including standard input and output tables))
Shipping	5.32 x 2.24 x 2.15 m (209 x 88 x 85 in)
Operating area	8.7 x 7.23 x 3 m (28.5 x 23.7 x 9.8 ft)
Weight	
Printer	1587 kg (3499 lb)
Shipping	4000 kg (8818 lb)
What's in the box	
	HP Latex R2000 Printer; HP Latex R Series White Upgrade Accessory; HP Latex R2000 Roll Printing Accessory Kit with 98-in spindles (x2); Pneumatic gun adapter; Table top roll holders (x2); HP 886 Latex Printheads; HP Latex Printhead Cleaning Kit; Standard input and output tables; Foot switch; HP Internal Print Server and displays (x2); Printer maintenance kit; Warranty and intro docs; Installation, Operator Training and Ramp Up Training included
Environmental ranges	
Operating temperature	15 to 30°C (59 to 86°F)
Operating humidity	20 to 70% RH (non-condensing)
Power	
Consumption	10 to 12 kW (typical)
Certification	
Safety	IEC 60950-1+A1+A2 compliant; EU (LVD and MD compliant, EN60950-1, EN12100-1, EN ISO13849-1, EN60204-1, and EN1010-1); Russia, Belarus and Kazakhstan (EAC)
Electromagnetic	Compliant with Class A requirements, including: EU (EMC Directive)
Environmental	WEEE; RoHS (EU, Turkey, Ukraine); REACH; CA 65 Prop; ErP Ecodesign Directive
Warranty	
	3 years Maintenance and Support coverage: Six-month limited hardware warranty; 2.5 years HP Standard Service, Maintenance and Support. Warranty may vary by country as required by law. Go to http://www.hp.com/support to learn about HP service and support options in your region.

Ordering information

Product

K0Q46A HP Latex R2000 Printer

Accessories

T7V23A HP Latex R2000 Extension Tables
Y6V16A HP Latex R Series Edge Holders Kit

Original HP print supplies

G0Z21A HP 886 White Latex Printhead
G0Z22A HP 886 Optimizer Latex Printhead
G0Z24A HP 886 Latex Printhead
G0Z00A HP 886 Latex Printhead Cleaning Kit
G0Z09A HP 886 3-liter White Latex Ink Cartridge
G0Z10A HP 882 5-liter Cyan Latex Ink Cartridge
G0Z11A HP 882 5-liter Magenta Latex Ink Cartridge
G0Z12A HP 882 5-liter Yellow Latex Ink Cartridge
G0Z13A HP 882 5-liter Black Latex Ink Cartridge
G0Z14A HP 882 5-liter Light Cyan Latex Ink Cartridge
G0Z15A HP 882 5-liter Light Magenta Latex Ink Cartridge
G0Z16A HP 882 5-liter Optimizer Latex Ink Cartridge
G0Z17A HP 882 5-liter Overcoat Latex Ink Cartridge

Service and support

If you want to extend the support beyond what's included:
HOHX4AC HP Standard Service, Maintenance and Support extension contract
HOJR1AC HP Enhanced Service, Maintenance and Support extension contract

Eco Highlights

- Better for print operations – no hazard warning labels or HAPs, no localised ventilation needed¹
- Better for the end-customer, more differentiation – odorless prints² go where solvent, UV can't
- Better for the environment – HP designs end-to-end sustainability into large-format printing
- HP Latex Inks – UL ECOLOGO®/UL GREENGUARD GOLD Certified³ and ECO PASSPORT certified⁴

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

¹ Contains no Hazardous Air Pollutants according to EPA Method 311. Localised ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Localised 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.

² There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print.

³ 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 <http://www.ul.com/UL>). 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 <http://www.ul.com/gg> or <http://www.greenguard.org>.

⁴ Original HP Latex Inks for the HP Latex R Printer series are certified ECO PASSPORT by Oeko-Tex,® which is a globally uniform testing and certification system for textile chemicals, colourants, and auxiliaries. It consists of a two-step verification procedure that analyses whether the compounds and each ingredient meet specific criteria for sustainability, safety, and regulatory compliance.

¹ Print speed may vary due to the adaptive printing mechanism to avoid image quality defects.

² Reflective measurements on a 943 colour target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. Backlit substrates measured in transmission mode may yield different results.

Delivery support services outside of the applicable HP coverage areas may be subject to travel charges, longer response times and reduced restoration or repair commitments hours. (For detailed information contact your HP Sales Representative)

