HP Latex R1000 Plus Printer

Help grow your business by printing high-value jobs on one device with white[2], rigid and flexible

Get amazing colors, rigid and flexible up to 64 in

- Move to higher value jobs with vibrant HP Latex gamut with media gloss and feel, and prints with no smell.[3]

- Simplify the workflow, get one look across rigid and flexible campaigns, and say goodbye to print and mount.

- Gain versatility with a single set of inks for scratch resistance and flexibility with HP Latex Overcoat.[4]

Expand with white[2], we've removed the barriers

- Glossiest white on transparent and colored media with high-opacity white that resists yellowing over time.[2]

- No waste between white jobs[5] with removable HP Thermal Inkjet printheads stored in offline rotating chamber.

- Automatic maintenance makes white like any other color, including automatic recirculation and nozzle checks.

Manage your peaks in-house with smarter printing

- No need to outsource with high-speed quality up to 6.4 indoor/12 outdoor boards/hr[6], continuous loading.

- Easy printing helps avoid costly mistakes with automatic maintenance, smart vacuum, and assisted loading.

- Maximize uptime with this smart printer for proactive and preventive services.

For more information, please visit
http://www.hp.com/go/LatexRseries
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 colors based on internal HP testing, January 2018 compared to leading competitive printers under $350,000 USD. Tested in High Quality print mode on rigid (white acrylic 12-pass, 6-color, 120%). Internal HP testing with HP GamutViewer, Alpha Shapes=50000.
[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 Inks for the HP Latex R Printer series and HP Latex Inks 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 Production mode 6-pass, 110%. Outdoor mode 3-pass, 70%.

Technical specifications

Print

Printing modes	16 m²/hr - Indoor High Quality (12p 120%)[1] 30 m²/hr - Indoor Production (6p 110%)[1] 60 m²/hr - Outdoor (3p 80%)[1] 11 m²/hr - White Overflood (100%)[1] 27 m²/hr - White Spot (100%)[1]
Print resolution	Up to 1200 x 1200 dpi
Ink types	HP Latex Inks
Ink cartridges	9 (cyan, magenta, yellow, black, light cyan, light magenta, HP Latex Optimizer, HP Latex Overcoat, white)
Cartridge size	3 L
Printheads	8 (cyan/black, magenta/yellow, light cyan/light magenta, HP Latex Overcoat, 2 HP Latex Optimizer, 2 white)
Long-term print-to-print repeatability	Average ≤ 1.0 dE2000, 95% of colors ≤ 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	297 x 420 mm to 1625 x 1220 mm (up to 1625 x 3050 mm with two sets of optional extension tables);
Roll size	60.9 cm to 1.63 m
Roll weight	Up to 68 kg
Roll diameter	Up to 25 cm
Thickness	Up to 50.8 mm
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	4.21 x 2.04 x 1.75 m (printer); 4.21 x 3.64 x 1.75 m (including standard input and output tables)
Shipping	4.43 x 2.24 x 2.15 m
Operating area	6.61 x 6.03 x 3 m

Weight

Printer	1400 kg
Shipping	2400 kg
What's in the box	HP Latex R1000 Printer; HP Latex R Series White Upgrade Accessory Kit; HP Latex R1000 Roll Printing Accessory Kit with 64-in spindles (x2) and pneumatic gun adapter and 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

Environmental ranges

Operating temperature	15 to 30ºC
Operating humidity	20 to 70% RH (non-condensing)

Power

Consumption	8 to 10 kW (typical)

Certification

Safety	IEC 60950-1+A1+A2 compliant; United States and Canada (CSA listed); EU (LVD and MD compliant, EN60950-1, EN12100-1, EN ISO13849-1, EN60204-1, and EN1010-1); 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; RoHS (EU, China, Korea, Singapore, Turkey, Ukraine); India Waste Management Rules; REACH; CA 65 Prop; ErP Ecodesign Directive

Warranty

Warranty	1 Year Limited Warranty (Next Business Day On-Site)

Ordering information

Product

K0Q45A	HP Latex R1000 Plus Printer

Accessories

T7V21A	HP Latex R1000 Extension Tables
Y6V16A	HP Latex R Series Edge Holders Kit

Original HP printing supplies

G0Z00A	HP 886 Latex Printhead Cleaning Kit
G0Z01A	HP 872 3-liter Cyan Latex Ink Cartridge
G0Z02A	HP 872 3-liter Magenta Latex Ink Cartridge
G0Z03A	HP 872 3-liter Yellow Latex Ink Cartridge
G0Z04A	HP 872 3-liter Black Latex Ink Cartridge
G0Z05A	HP 872 3-liter Light Cyan Latex Ink Cartridge
G0Z06A	HP 872 3-liter Light Magenta Latex Ink Cartridge
G0Z07A	HP 872 3-liter Optimizer Latex Ink Cartridge
G0Z08A	HP 872 3-liter Overcoat Latex Ink Cartridge
G0Z09A	HP 886 3-liter White Latex Ink Cartridge
G0Z21A	HP 886 White Latex Printhead
G0Z22A	HP 886 Optimizer Latex Printhead
G0Z24A	HP 886 Latex Printhead

Original HP large format printing materials

HP Premium Removable Gloss Adhesive Vinyl
HP Permanent Gloss Adhesive Vinyl
HP Durable Backlit Fabric (Recyclable)[3]
HP Backlit Polyester Film (Recyclable)[3]

Service and support

4BS24A/K0Q45-67270	HP Latex R Series Cleaning Kit
2WM39A/K0Q45-67267	HP Latex R Series Uptime Kit
2WM40A/K0Q45-67269	HP Latex R Series Expert Kit
2WP87A/K0Q45-67268	HP Latex R Series Reseller Kit
K0Q45-67272	HP Latex R Series Service Maintenance Kit
K0Q45-67273	HP Latex R Series White Service Maintenance Kit
G0Z00A/K0Q45-60840	HP Latex Printhead Cleaning Kit

Eco Highlights

- Better for print operations—no hazard warning labels or HAPs, no localized ventilation needed[01]
- Better for the end-customer, more differentiation—odorless prints[02] go where solvent, UV can't
- Better for the environment—HP designs end-to-end sustainability into large-format printing
- HP Latex Inks are UL ECOLOGO® and UL GREENGUARD GOLD Certified[03]

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

[01] Contains no Hazardous Air Pollutants according to EPA Method 311. Localized ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Localized 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.
[02] 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.
[03] 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/EL). 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.

[1] Print speed may vary due to the adaptive printing mechanism to avoid image quality defects.
[2] 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. Backlit substrates measured in transmission mode may yield different results.
[3] Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices, or can be returned through the HP Large Format Media take-back program. Recycling programs may not exist in your area. See http://www.HPLFMedia.com/hp/ecosolutions for details.

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PARTNER OF CHOICE

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