



HP Latex R1000 Printer

Help grow your business with easy, automatic printing of high-value rigid jobs, and white¹



Get amazing colors for rigid jobs up to 64 inches

- Grow your business into higher value rigid jobs with vibrant HP Latex gamut, preserving media look and feel.
- Gain versatility with HP Latex Ink—from indoor/outdoor signage to thermoforming and high-quality decoration.
- Win more jobs with UL ECOLOGO® Certified, water-based HP Latex Inks that produce odorless prints.²

We've removed the barriers to print with white¹

- Be creative on a wide range of applications with glossiest white that resists yellowing over time.¹
- No waste between white jobs³ with removable HP Thermal Inkjet printheads stored in offline rotating chamber.
- You're always ready to print white—automatic recirculation and printhead cleaning eliminate manual purging.

Manage your peaks in-house with smart printing

- Get high-speed quality in all print modes—print up to 15 outdoor bds/hr with belt system and smart vacuum.⁴
- Help avoid costly operating mistakes with an easy interface, including assisted loading and advanced queuing.
- Maximize uptime with automatic maintenance and smart service tools for fast diagnosis and issue resolution.
- Keep your operators always up-to-date with HP PrintOS continuous online training.

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 <https://hpllatexknowledgecenter.com/>

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 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 over time 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.

² HP Latex Inks are UL ECOLOGO® Certified. 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>). 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 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.

⁴ Outdoor mode 3-pass, 70%. On 4 x 8 ft (1.2 x 2.4 m) boards.

Technical specifications

Print

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| Printing modes | 15 m ² /hr - Indoor High Quality (12p 120%) 28 m ² /hr - Indoor Production (6p 110%) 56 m ² /hr - Outdoor (3p 70%) 25 m ² /hr - White Spot (100%) 11 m ² /hr - White Overflood (100%) 3.6 m ² /hr - 3 layers day & night ¹ |
| Print resolution | Up to 1200 x 1200 dpi |
| Ink types | Water-based 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 \leq 1.0 dE2000, 95% of colors \leq 2 dE2000 ² |

Media

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|------------------|---|
| Handling | Flatbed, sheet 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 ³ : PVC banner, self-adhesive vinyl, coated paper, polypropylene, polystyrene, polycarbonate, polyester, textile (non porous), canvas, leather |
| 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) |
| Thickness | Up to 50.8 mm |

Applications

Signage: indoor, flat, backlit, thermoformed; Decoration: wall coverings, window decoration; Vehicle decoration: fleet graphics, wraps, decals; Textile: soft signage, frontlit, backlit; POS and Packaging: corrugated displays, short-run customized packaging, prototyping

Connectivity

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|------------|-------------------------------|
| Interfaces | Gigabit Ethernet (1000Base-T) |
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Dimensions (w x d x h)

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|----------------|---|
| 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

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| Printer | 1275 kg |
| Shipping | 2275 kg |

What's in the box

HP Latex R1000 Printer; HP Latex R Series White Upgrade Accessory Kit; HP 886 Latex Printhead; 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

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| Operating temperature | 15 to 30°C |
| Operating humidity | 20 to 70% RH (non-condensing) |

Power

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| Consumption | 8 to 10 kW (typical) |
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Certification

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| 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

180-day limited hardware warranty. 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

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|--------|------------------------|
| K0Q47A | HP Latex R1000 Printer |
|--------|------------------------|

Accessories

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| D9Z41B | HP Large Format Onyx Thrive RIP Software |
| L5E74C | HP Large Format Caldera Grand RIP Software |
| T7V20A | HP Latex R1000 Roll Printing Kit |
| T7V21A | HP Latex R1000 Extension Tables |
| Y6V16A | HP Latex R Series Edge Holders Kit |

Original HP printing supplies

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| 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 (Take-back program)⁴
HP Backlit Polyester Film (Take-back program)⁴

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

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

ECO highlights

- Better for print operations—no hazard warning labels or HAPs, no special ventilation needed¹
- Better for the environment—HP designs end-to-end sustainability into large-format printing
- Water-based inks produce odorless prints²
- HP Latex Inks are UL ECOLOGO[®] and UL GREENGUARD GOLD Certified³

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

¹ Contains no Hazardous Air Pollutants according to EPA Method 311. 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 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/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>.

⁴ 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 Roll media is only compatible with the purchase of the optional HP Latex R1000 Roll Printing Kit.

⁴ Recyclable HP papers can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the HP Large Format Media take-back program. Programs may not exist in your area. See <http://www.HPLFMedia.com/hp/ecosolutions> for details.

