



# HP Latex R2000 Plus Printer

Unprecedented quality and colors<sup>2</sup> on rigid and flexible up to 98 inches, for sustained production environments



## Achieve amazing colors and media look and feel

- Help increase profitability with higher value rigid and flexible applications with vibrant HP Latex gamut.
- 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.<sup>3</sup>

## Expand your offering with the glossiest white<sup>1</sup>

- Expand your portfolio into a wide range of applications with glossiest white that resists yellowing.<sup>1</sup>
- No waste between white jobs<sup>4</sup> 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.

## Increase your productivity with smart printing

- Meet production peaks—get high-speed quality up to 28 outdoor boards/hr<sup>5</sup> with belt system, smart vacuum.
- Drive high productivity with multi-board printing, assisted loading, and advanced queuing.
- Maximize uptime with automatic maintenance and smart service tools for fast diagnosis and issue resolution.
- Maintain control of your production and costs with the help of HP PrintOS software tools.

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 <https://lkc.hp.com/>

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> Outdoor mode 3-pass, 70%. On 4 x 8 ft (1.2 x 2.4 m) boards.

# Technical specifications

Print	
Printing modes	22 m²/hr - Indoor High Quality (12p 120%) 43 m²/hr - Indoor Production (6p 110%) 86 m²/hr - Outdoor (3p 70%) 36 m²/hr - White Spot (100%) 16 m²/hr - White Overflow/Underflood (100%) 5.2 m²/hr - 3 layers day & night¹
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	5 L (colors, HP Latex Optimizer, HP Latex Overcoat); 3 L (white)
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 dE2000²
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, leather
Rigid media size	297 x 420 mm to 2489 x 1220 mm (up to 2489 x 3050 mm with two sets of optional extension tables)
Roll size	60.9 cm to 2.49 m
Roll weight	Up to 100 kg
Roll diameter	Up to 25 cm
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	
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)
Shipping	5.32 x 2.24 x 2.15 m
Operating area	8.7 x 7.23 x 3 m
Weight	
Printer	1600 kg
Shipping	2800 kg
What's in the box	HP Latex R2000 Printer; HP Latex R Series White Upgrade Accessory Kit; HP Latex R2000 Roll Printing Accessory Kit with 98-in spindles (x2) and pneumatic gun adapter and table top roll holders (x2); HP B86 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 30°C
Operating humidity	20 to 70% RH (non-condensing)
Power	
Consumption	10 to 12 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	1 Year Limited Warranty (Next Business Day On-Site)

# Ordering information

Product	
K0Q46A	HP Latex R2000 Plus Printer
Accessories	
D9Z41B L5E74C T7V23A Y6V16A	HP Large Format Onyx Thrive RIP Software HP Large Format Caldera Grand RIP Software HP Latex R2000 Extension Tables HP Latex R Series Edge Holders Kit
Original HP large format printing materials	
HP Premium Removable Gloss Adhesive Vinyl HP Permanent Gloss Adhesive Vinyl HP Durable Backlit Fabric (Take-back program)³ HP Backlit Polyester Film (Take-back program)³	
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.	
Service and Support	
4B524A/K0Q45-67270 HP Latex R Series Cleaning Kit ZWM39A/K0Q45-67267 HP Latex R Series Uptime Kit ZWM40A/K0Q45-67269 HP Latex R Series Expert Kit ZWP87A/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>.
- 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. 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.