# HP Latex R2000 Plus Printer with Tables and Ink



Unprecedented quality and colors<sup>2</sup> on rigid 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<sup>®</sup> Certified, waterbased HP Latex Inks that produce odorless prints.<sup>3</sup>

## Expand your offering with the glossiest white $^{1} \ensuremath{\mathsf{^{0}}}$

- 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://hplatexknowledgecenter.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 Garnut/linwer, Alpha Shaper -S000

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	237 ft²/hr - Indoor High Quality (12p 120%) 463 ft²/hr - Indoor Production (6p 110%) 926 ft²/hr - Outdoor (3p 70%) 388 ft²/hr - White Spot (100%) 172 ft²/hr - White Overflood/Underflood (100%) 5 ft²/hr - Jayers day & night <sup>1</sup>	
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, white)	
Long-term print-to-print repeatability	Average $\leq 1.0 \text{ dE2000}, 95\% \text{ of colors} \leq 2 \text{ dE2000}^2$	
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, leather	
Rigid media size	11.7 x 16.5 in to 98 x 48 in (up to 98 x 120 in with two sets of optional extension tables)	
Roll size	24 to 98.4 in	
Roll weight	Up to 220 lb	
Roll diameter	Up to 9.8 in	
Thickness	Up to 2 in	
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	<pre></pre>	
Printer	201 x 80 x 69 in (printer); 201 x 143 x 69 in (including standard input and output tables)	
Shipping	209 x 88 x 85 in	
Operating area	28.5 x 23.7 x 9.8 ft	
Weight		
Printer	3527 lb	
Shipping	6173 lb	
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 886 Latex Printheads; HP Latex Ink Cartridges; HP Latex Printhead Cleaning Kit; standard input and output tables; HP Latex R2000 Extension Tables; foot switch; HP Internal Print Server and displays (x2); printer maintenance kit; warranty and intro docs	
Environmental rang	jes	
Operating temperature	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; 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; C/ 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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4QA88A	HP Latex R2000 Plus Printer with Tables and Ink	
Accessories		
D9Z41B T7V23A Y6V16A	HP Large Format Onyx Thrive RIP Software HP Latex R2000 Extension Tables HP Latex R Series Edge Holders Kit	
Original HP j	printing supplies	
G0Z00A G0Z09A G0Z10A G0Z11A G0Z12A G0Z13A G0Z14A G0Z15A G0Z15A G0Z16A G0Z17A G0Z21A G0Z22A G0Z22A	HP 886 Latex Printhead Cleaning Kit HP 886 3-liter White Latex Ink Cartridge HP 882 5-liter Van Latex Ink Cartridge HP 882 5-liter Magenta Latex Ink Cartridge HP 882 5-liter Viellow Latex Ink Cartridge HP 882 5-liter Light Latex Ink Cartridge HP 882 5-liter Light Magenta Latex Ink Cartridge HP 882 5-liter Light Magenta Latex Ink Cartridge HP 882 5-liter Optimizer Latex Ink Cartridge HP 882 5-liter Optimizer Latex Ink Cartridge HP 882 5-liter Optimizer Latex Ink Cartridge HP 885 White Latex Printhead HP 886 Optimizer Latex Printhead HP 886 Latex Printhead	
Original UD I	arge format printing materials	

#### Original HP large format printing materials

HP Premium Removable Gloss Adhesive Vinyl HP Permanent Gloss Adhesive Vinyl HP Durable Backlit Fabric (Take-back program)<sup>3</sup> HP Backlit Polyester Film (Take-back program)<sup>3</sup>

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

#### Service and Support

If you want to extend the support beyond what's included: H you want to example a support beyond where and Support extension contract HOHXA4C HP Standard Service, Maintenance and Support extension contract HOJR1AC HP Enhanced Service, Maintenance and Support extension contract UASMOS HP Latex R series Level 3 Train to repair and maintain – 5 days training at HP UA3Q7E 3 Years Next Business Day with Defective Media Retention for HP Latex R1000 Plus K0Q45-67269 HP Latex R series Expert spare parts uptime kit

## ECO highlights

- Better for print operations—no hazard warning labels or HAPs, no special ventilation needed<sup>1</sup> Better for the environment—HP designs end-to-end sustainability into large-format printing Water-based inks produce odorless prints<sup>2</sup>
- HP Latex Inks are UL ECOLOGO® and UL GREENGUARD GOLD Certified

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

<sup>1</sup> 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. <sup>2</sup> 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>3</sup> UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of multi-attribute, lifecycle

be Leobado Cietaria related to human health and environment and 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/EL). http://www.ul.com/gg or http://www.greenguard.org.

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

 <sup>3</sup> 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.



