



# HP Latex R2000 Printer

Sharpen the quality of any rigid substrate with the most vibrant colors<sup>1</sup> and glossiest white<sup>2</sup>



## Achieve amazing colors on both rigid and flexible

- Get vibrant HP Latex color gamut on rigid while preserving media gloss and feel, and prints with no smell.<sup>3</sup>
- 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.<sup>4</sup>

## Expand your offering with the glossiest white<sup>2</sup>

- Glossiest white on transparent and colored media with high-opacity white that resists yellowing over time.<sup>2</sup>
- No waste between white jobs<sup>5</sup> 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.

## Increase your productivity with smarter printing

- Meet production peaks with a high-accuracy belt-driven system for continuous loading workflow.
- Advanced engineering drives high productivity 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/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>

<sup>1</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>2</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 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.

<sup>3</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>4</sup> 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.

<sup>5</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.

## Technical specifications

### Print

|  |  |
|--|--|
| Printing modes                         | 23 m <sup>2</sup> /hr - Indoor High Quality (12p 120%)<br>47 m <sup>2</sup> /hr - Indoor Production (6p 110%)<br>92 m <sup>2</sup> /hr - Outdoor (3p 70%) <sup>1</sup> |
| 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 <sup>2</sup> )  |
| Cartridge size                         | 5 L (colors, HP Latex Optimizer, HP Latex Overcoat); 3 L (white) <sup>3</sup>  |
| Printheads                             | 8 (cyan/black, magenta/yellow, light cyan/light magenta, HP Latex Overcoat, 2 HP Latex Optimizer, 2 white <sup>3</sup> )   |
| Long-term print-to-print repeatability | Average $\leq$ 1.0 dE2000, 95% of colors $\leq$ 2 dE2000 <sup>2</sup>  |

### Media

|                  |  |
|------------------|--|
| 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: PVC banner, self-adhesive vinyl, coated paper, polypropylene, polystyrene, polycarbonate, polyester, textile (non porous), canvas |
| 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)   |
| 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        | 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  | 1550 kg |
| Shipping | 2750 kg |

### What's in the box

HP Latex R2000 Printer; 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 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 EN10101-1); 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

|        |                        |
|--------|------------------------|
| KOQ48A | HP Latex R2000 Printer |
|--------|------------------------|

### Accessories

|        |   |
|--------|---|
| 5HW46A | HP Latex R Series White Upgrade Kit       |
| D9Z41B | HP Large Format Onyx Thrive RIP Software  |
| L5E74B | HP Scitex Caldera Grand RIP v1.1 Software |
| T7V22A | HP Latex R2000 Roll Printing Kit          |
| T7V23A | HP Latex R2000 Extension Tables           |
| Y6V16A | HP Latex R Series Edge Holders Kit        |

### Original HP printing supplies

|        |  |
|--------|--|
| GOZ00A | HP 886 Latex Printhead Cleaning Kit              |
| GOZ09A | HP 886 3-liter White Latex Ink Cartridge         |
| GOZ10A | HP 882 5-liter Cyan Latex Ink Cartridge          |
| GOZ11A | HP 882 5-liter Magenta Latex Ink Cartridge       |
| GOZ12A | HP 882 5-liter Yellow Latex Ink Cartridge        |
| GOZ13A | HP 882 5-liter Black Latex Ink Cartridge         |
| GOZ14A | HP 882 5-liter Light Cyan Latex Ink Cartridge    |
| GOZ15A | HP 882 5-liter Light Magenta Latex Ink Cartridge |
| GOZ16A | HP 882 5-liter Optimizer Latex Ink Cartridge     |
| GOZ17A | HP 882 5-liter Overcoat Latex Ink Cartridge      |
| GOZ21A | HP 886 White Latex Printhead                     |
| GOZ22A | HP 886 Optimizer Latex Printhead                 |
| GOZ24A | HP 886 Latex Printhead                           |

### Service and Support

|                    |   |
|--------------------|---|
| 4B524A/KOQ45-67270 | HP Latex R Series Cleaning Kit                  |
| 2WM39A/KOQ45-67267 | HP Latex R Series Uptime Kit                    |
| 2WM40A/KOQ45-67269 | HP Latex R Series Expert Kit                    |
| 2WP87A/KOQ45-67268 | HP Latex R Series Reseller Kit                  |
| KOQ45-67272        | HP Latex R Series Service Maintenance Kit       |
| KOQ45-67273        | HP Latex R Series White Service Maintenance Kit |
| GOZ00A/KOQ45-60840 | HP Latex Printhead Cleaning Kit                 |

### ECO highlights

- Better for print operations—no hazard warning labels or HAPs, no localized ventilation needed<sup>1</sup>
- Better for the end-customer, more differentiation—odorless prints<sup>2</sup> 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<sup>3,4</sup>

Please recycle large-format printing hardware and printing supplies. Find out how at our website [hp.com/ecosolutions](http://hp.com/ecosolutions)

<sup>1</sup> 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.

<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 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>.

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

<sup>2</sup> 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.

<sup>3</sup> Optional on the R2000 Printer, and included by default on the R2000 Plus Printer.

<sup>4</sup> 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.

