Datasheet

HP Latex R2000 Printer series

Sharpen the quality of any rigid substrate with the most vibrant colours[1] and glossiest white[2]

Achieve amazing colours on both rigid and flexible

- Get vibrant HP Latex colour gamut on rigid while preserving media gloss and feel, and prints with no smell.[3]
- 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.[4]

Expand your offering with the glossiest white[2]

- Glossiest white on transparent and coloured 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 colour, 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.
- 3 years full coverage included with the price of the printer.
- Maximise uptime with HP Smart Services experience with proactive and preventive HP Managed 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 https://hplatexknowledgecenter.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] Most vibrant colours based on internal HP testing, January 2018 compared to leading competitive printers under €350,000. Tested in High Quality print mode on rigid (white acrylic 12-pass, 6-colour, 120%). Internal HP testing with HP GamutViewer, Alpha Shapes = 50,000.
[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.

Technical specifications

Print

Printing modes	23 m²/hr (253 ft²/hr) - Indoor High Quality (12p 120%)[1] 47 m²/hr (507 ft²/hr) - Indoor Production (6p 110%)[1] 92 m²/hr (991 ft²/hr) - Outdoor (3p 70%)[1] 16 m²/hr (176 ft²/hr) - White Overflood (100%)[1] 42 m²/hr (450 ft²/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 Optimiser, HP Latex Overcoat, white[3])
Cartridge size	5 L (colours, HP Latex Optimiser, HP Latex Overcoat); 3 L (white)[3]
Printheads	8 (cyan/black, magenta/yellow, light cyan/light magenta, HP Latex Overcoat, 2 HP Latex Optimiser, 2 white[3])
Long-term print-to-print repeatability	Average ≤ 1.0 dE2000, 95% of colours ≤ 2 dE2000[2]

Media

Handling	Flatbed, sheet feed, roll feed[3], 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	Minimum 297 x 420 mm to 2500 x 1200 mm (up to 2500 x 3050 mm with two sets of original HP Latex R2000 extension tables). Maximum sheet weight 68 kg (Minimum 11.7 x 16.5 in to 98 x 47 in (up to 98 x 120 in with two sets of optional extension tables). Maximum sheet weight 150 lb)
Roll size	60.9 cm to 2.49 m³ (24 to 98.4 in³)
Roll weight	Up to 100 kg[3] (Up to 220 lb[3])
Roll diameter	Up to 25 cm³ (Up to 9.8 in³)
Thickness	Up to 50.8 mm (Up to 2 in)

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) (201 x 80 x 69 in (printer); 201 x 143 x 69 in (including standard input and output tables))
Shipping	5.32 x 2.24 x 2.15 m (209 x 88 x 85 in)
Operating area	8.7 x 7.23 x 3 m (28.5 x 23.7 x 9.8 ft)

Weight

Printer	R2000 Plus: 1600 kg; R2000: 1550 kg (R2000 Plus: 3527 lb; R2000: 3417 lb)
Shipping	R2000 Plus: 2800 kg; R2000: 2750 kg (R2000 Plus: 6173 lb; R2000: 6063 lb)
What's in the box	HP Latex R2000 Printer; HP Latex R Series White Upgrade Accessory Kit[3]; HP Latex R2000 Roll Printing Accessory Kit with 98 in spindles (x2) and pneumatic gun adapter and table top roll holders (x2)[3]; 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 (59 to 86ºF)
Operating humidity	20 to 70% RH (non-condensing)

Power

Consumption	10 to 12 kW (typical)

Certification

Safety	IEC 60950-1+A1+A2 compliant; EU (LVD and MD compliant, EN60950-1, EN12100-1, EN ISO13849-1, EN60204-1, and EN1010-1); Russia, Belarus and Kazakhstan (EAC)
Electromagnetic	Compliant with Class A requirements, including: EU (EMC Directive)
Environmental	WEEE; RoHS (EU, Turkey, Ukraine); REACH; CA 65 Prop; ErP Ecodesign Directive

Warranty

1 year Maintenance and Support coverage: Six-month limited hardware warranty; 6 months HP Standard Service, Maintenance and Support. 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

K0Q46A	HP Latex R2000 Plus Printer
K0Q48A	HP Latex R2000 Printer

Accessories

5HW46A	HP Latex R Series White Upgrade Kit
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

G0Z21A	HP 886 White Latex Printhead
G0Z22A	HP 886 Optimizer Latex Printhead
G0Z24A	HP 886 Latex Printhead
G0Z00A	HP 886 Latex Printhead Cleaning Kit
G0Z09A	HP 886 3-liter White Latex Ink Cartridge
G0Z10A	HP 882 5-liter Cyan Latex Ink Cartridge
G0Z11A	HP 882 5-liter Magenta Latex Ink Cartridge
G0Z12A	HP 882 5-liter Yellow Latex Ink Cartridge
G0Z13A	HP 882 5-liter Black Latex Ink Cartridge
G0Z14A	HP 882 5-liter Light Cyan Latex Ink Cartridge
G0Z15A	HP 882 5-liter Light Magenta Latex Ink Cartridge
G0Z16A	HP 882 5-liter Optimizer Latex Ink Cartridge
G0Z17A	HP 882 5-liter Overcoat Latex Ink Cartridge

Service and Support

If you want to extend the support beyond what's included:
H0HX4AC HP Standard Service, Maintenance and Support extension contract
H0JR1AC HP Enhanced Service, Maintenance and Support extension contract
UA5W05 HP Latex R series Level 3 Train to repair and maintain – 5 days training at HP
U9ZS3E 3 Years Next Business Day with Defective Media Retention for HP Latex R2000 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 localised ventilation needed[1]
- Better for the end-customer, more differentiation – odorless prints[2] 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.[3]

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

[1] Contains no Hazardous Air Pollutants according to EPA Method 311. Localised ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Localised 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.
[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 colour 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] Optional on the R2000 Printer, and included by default on the R2000 Plus Printer.
[4] 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.