



HP Latex 115 Print and Cut Solution

Start—with this easy, affordable 54-in HP Latex print and cut solution



The HP solution—best in its class¹

- Print more applications, full bleed stickers don't shrink or curl; reach indoor spaces solvent can't
- Enjoy accurate high-speed cutting and cut throughs; LAN connectivity and HP media basket add convenience
- Optimized workflow management from a single point—includes unique software with barcode integration
- Design applications in 3 simple steps—no design skills are needed with HP Signage Suite in box²

True print AND cut

- Print AND cut at the same time—versus print OR cut with solvent—with this reliable, dual-device solution
- Avoid solvent wait time—prints come out dry, cut/laminate right away with no degas time, and deliver same day
- Avoid lamination for short-term applications—scratch resistance is comparable to hard-solvent inks³

Easy, reliable workflow

- Print and cut in 5 simple steps—add cut lines from the RIP, predefined cutting presets, easy user interface
- Efficient job recognition and reliable, error-free cutting—Optical Positioning System (OPOS) and HP Barcode
- Avoid the complexity of other dual-devices—this complete HP solution is designed to work as one

For more information, please visit hp.com/go/Latex115printandcut

Join the community, find tools, and talk to experts. Visit the HP Latex Knowledge Center at hp.com/communities/LKC

¹ Based on productivity and environmental advantages compared to the leading (per IDC market share numbers, March 2017) and comparably priced solvent-technology-based integrated print and cut solution. HP internal productivity testing performed February 2017. The HP Latex Print and Cut Solution also uses HP Latex inks that meet UL ECOLOGO® Certification to UL 2801, demonstrating that an ink meets a range of multi-attribute, lifecycle based criteria related to human health and environmental considerations (see ul.com/EL).

² Requires an HP Applications Center account, Internet connection, and connected Internet-capable device. For more information, see <http://www.hpapplicationscenter.com>.


³ You can consider unlaminated use for short-term signage with scratch resistance comparable to hard-solvent inks on self-adhesive vinyl and PVC banner. Scratch-resistance comparison based on testing third generation HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.

Technical specifications

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|---------------------------------|--------------------------------|---|---|
| Printing | Printing modes | 48 m ² /hr (517 ft ² /hr) - Billboard (2 pass) 16 m ² /hr (174 ft ² /hr) - Outdoor Plus (6 pass) 12 m ² /hr (129 ft ² /hr) - Indoor Quality (8 pass) 10 m ² /hr (108 ft ² /hr) - Indoor High Quality (10 pass) 6 m ² /hr (65 ft ² /hr) - Backlits, Textiles, and Canvas (16 pass) 5 m ² /hr (54 ft ² /hr) - High Saturation Textiles (20 pass) | |
| | Print resolution | Up to 1200 x 1200 dpi | |
| | Ink types | HP Latex Inks | |
| | Ink cartridges | Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer | |
| | Cartridge size | 400 ml | |
| | Printheads | 6 (2 cyan/black, 2 magenta/yellow, 1 light cyan/light magenta, 1 HP Latex Optimizer) | |
| | Color consistency ⁴ | Average ≤ 1 dE2000, 95% of colors ≤ 2 dE2000 | |
| | Media | Handling | Roll feed; take-up reel (optional); automatic cutter (for vinyl, paper-based media, backlit polyester film) |
| | | Media types | Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas, synthetics, fabrics, mesh, textiles, and any other porous materials that require a liner |
| | | Roll size | 254 to 1371-mm (10 to 54-in) rolls; 580 to 1371-mm (23 to 54-in) rolls with full support |
| Roll weight | | 25 kg (55 lb) | |
| Roll diameter | | 180 mm (7.1 in) | |
| Thickness | | Up to 0.5 mm (19.7 mil) | |
| Applications | | Banners; Displays; Exhibition and event graphics; Exterior signage; Indoor posters; Interior decoration; Light boxes - film; Light boxes - paper; POP/POS; Posters; Vehicle graphics; Customizable clothing; Floor graphics; Labels and stickers; Wall decals; Window graphics | |
| Connectivity | Interfaces (standard) | Gigabit Ethernet (1000Base-T) | |
| Dimensions (w x d x h) | Printer | 2307 x 840 x 1380 mm (91 x 33 x 54 in) | |
| | Shipping | 2553 x 762 x 1252 mm (100.5 x 30 x 49.5 in) | |
| Weight | Printer | 174 kg (384 lb) | |
| | Shipping | 257.5 kg (568 lb) | |
| What's in the box | | HP Latex 115 Printer; printheads; maintenance cartridge; printer stand; spindle; user maintenance kit; edge holders; quick reference guide; setup poster; power cords. | |
| Environmental ranges | Operating temperature | 15 to 30°C (59 to 86°F) | |
| | Operating humidity | 20 to 80% RH (non-condensing) | |
| Acoustic | Sound pressure | 54 dB(A) (printing); 38 dB(A) (ready); < 15 dB(A) (sleep) | |
| | Sound power | 7.2 B(A) (printing); 5.5 B(A) (ready); < 3.5 B(A) (sleep) | |
| Power | Consumption | 2.2 kW (printing); 70 W (ready); < 2.5 W (sleep) | |
| | Requirements | Input voltage (auto ranging) 200–240 V (±10%) two wires and PE; 50/60 Hz (±3 Hz); two power cords; 3 A max for printer and 13 A max per curing | |
| Certification | Safety | IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC); Argentina (IRAM); China (CCC); India (BIS) | |
| | Electromagnetic | Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KCC), Russia, Belarus, and Kazakhstan (EAC), China (CCC) | |
| | Environmental | ENERGY STAR; WEEE; RoHS (EU, China, Korea, India, Ukraine, Turkey); REACH; EPEAT Bronze; OSHA; CE marking compliant | |
| Warranty | | 1 year provided that the HP Latex End of Installation Registration is completed by an HP authorized reseller | |
| HP Latex 54 Basic Cutter | | | |
| Cutting | Cut type | Drag-knife with TurboCut and Tangential emulsion modes | |
| | Cut width | 135 cm (53.1 in) | |
| | Cut speed | Up to 84 cm/sec (33 in/sec) diagonal (113 cm/sec (44 in/sec) for media narrower than 737 mm (29 in)) | |
| | Acceleration | Up to 0.9 G diagonal (3 G for media narrower than 737 mm/29 in) | |
| | Accuracy | 0.2% of movement or 0.25 mm, (0.01 in) whichever is greater | |
| | Repeatability | ±0.1 mm (0.004 in) | |
| | Cut force | 0 to 400 grams of downforce, in 5-gram steps | |
| Connectivity | Interfaces (standard) | USB and Ethernet (LAN) | |
| Dimensions (w x d x h) | Cutter | 1750 x 680 x 1145 mm (68.9 x 26.8 x 45.1 in) | |
| | Cutter (shipping) | 1880 x 480 x 670 mm (74 x 18.9 x 26.4 in) | |

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| Weight | Cutter | 48 kg (106 lb) |
| | Cutter (shipping) | 69 kg (152 lb) |
| What's in the box | | HP Latex 54 Basic Cutter; cutter stand; media basket; HP FlexiPrint and Cut RIP; HP Cutter Control software; quick reference guide; setup poster; documentation software; power cords; standard holder (1); standard blades (2); cut-off knife (1); 3-in media flanges (set of 2) |
| Environmental ranges | Operating temperature | 15 to 35°C (59 to 95°F) |
| | Operating humidity | 35 to 75% RH (non-condensing) |
| Acoustic | Sound pressure | 56 dB(A) |
| | Sound power | 7.0 B(A) |
| Power | Consumption | 31 W (working mode) |
| | Requirements | AC 100–240 V (±10%); 50/60 Hz, 85 VA max; 2 A |
| Certification | Safety | IEC 60950-1+A1+A2 compliant; USA (UL listed) and Canada; EU (LVD and EN 60950-1 compliant); PSE (Japan); Korea (KC) |
| | Electromagnetic | Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KCC) |
| | Environmental | WEEE, RoHS (EU); CE marking compliant; REACH |
| Warranty | | 1 year provided that the HP Latex End of Installation Registration is completed by an HP authorized reseller |

Ordering information

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| Product | 1LH39A | HP Latex 115 Print and Cut Solution |
| Accessories | 1UP26A | HP Latex Cutter Extended Kit |
| | 1UP27A | HP Latex 2-in Media Holder Kit |
| | 1UX44A | HP Latex Standard Blade Kit |
| | 1UX45A | HP Latex Specialty Blade Kit |
| | F0M55A | HP Latex 54-in Printer 2-in Spindle |
| | F0M59A | HP Latex User Maintenance Kit |
| | W5A60A | HP Latex 54-in Take-up Reel |
| Original HP printheads | CZ677A | HP 831 Cyan/Black Latex Printhead |
| | CZ678A | HP 831 Yellow/Magenta Latex Printhead |
| | CZ679A | HP 831 Light Magenta/Light Cyan Latex Printhead |
| | CZ680A | HP 831 Latex Optimizer Printhead |
| Original HP ink cartridges and maintenance supplies | G0Y86A | HP 821 400-ml Cyan Latex Ink Cartridge |
| | G0Y87A | HP 821 400-ml Magenta Latex Ink Cartridge |
| | G0Y88A | HP 821 400-ml Yellow Latex Ink Cartridge |
| | G0Y89A | HP 821 400-ml Black Latex Ink Cartridge |
| | G0Y90A | HP 821 400-ml Light Cyan Latex Ink Cartridge |
| | G0Y91A | HP 821 400-ml Light Magenta Latex Ink Cartridge |
| | G0Y92A | HP 821 400-ml Latex Optimizer Ink Cartridge |
| | CZ681A | HP 831 Latex Maintenance Cartridge |
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| Original HP large format printing materials | | HP printing materials are designed together with HP Latex Inks and HP Latex printers to provide optimal image quality, consistency, and reliability. |
| | | HP PVC-free Wall Paper (FSC® and UL GREENGUARD GOLD Certified) ⁵ |
| | | HP Permanent Gloss Adhesive Vinyl (REACH compliant) ⁶ |
| | | HP Backlit Polyester Film  HP Premium Satin Canvas |
| | | For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com . |
| Service and support | U9T53E | HP 2 year Next Business Day with Defective Media Retention |
| | U9T54E | HP 3 year Next Business Day with Defective Media Retention |
| | U9T57PE | HP 1 year Post Warranty Next Business Day with Defective Media Retention |
| | U9T58PE | HP 2 year Post Warranty Next Business Day with Defective Media Retention |

⁴ The color variation inside a printed job has been measured to be within this limit: maximum color difference (95% of colors) <= 2 dE2000. 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. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

⁵ BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions; 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 ul.com/gg or greenguard.org.

⁶ This product does not contain substances listed as SVHC (155) per Annex XIV of the EU REACH directive published as of June 16, 2014 in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the HP REACH Declaration published at HPPrintingProducts.com and Consumable Supplies.

⁷ HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See HPLFMedia.com/hp/ecosolutions for details.



NOTE: Some certifications may only apply to the printer

