



HP Latex 315 Print and Cut Solution

Grow—with this 54-inch business-ready 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

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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.



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

| HP Latex 315 Printer | | | |
|-------------------------------|--|---|---|
| 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 | |
| | Margins | 5 x 5 x 5 x 5 mm (0.2 x 0.2 x 0.2 x 0.2 in) | |
| | Ink types | HP Latex Inks | |
| | Ink cartridges | Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer | |
| | Cartridge size | 775 ml | |
| | Printheads | 6 (2 cyan/black, 2 magenta/yellow, 1 light cyan/light magenta, 1 HP Latex Optimizer) | |
| | Color consistency ^d | 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 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, Customizable clothing, Displays, Exhibition and event graphics, Exterior signage, Floor graphics, Indoor posters, Interior decoration, Labels and stickers, Light boxes - film, Light boxes - paper, POP/POS, Posters, Vehicle graphics, 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) | |
| | Printer (shipping) | 2541 x 760 x 1250 mm (100.1 x 30 x 49.3 in) | |
| Weight | Printer | 174 kg (384 lb) | |
| | Printer (shipping) | 257.5 kg (568 lb) | |
| What's in the box | HP Latex 315 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 watts (ready); < 2.5 watts (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 per printer power cord; 13 A max per curing power cord | |
| 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); Australia and New Zealand (RCM) | |
| | Electromagnetic | Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI) | |
| | Environmental | ENERGY STAR, WEEE, RoHS (EU, China, Korea, India, Ukraine, Turkey), REACH, EPEAT Bronze, OSHA, CE marking compliant | |
| Warranty | One-year limited hardware warranty | | |
| HP Latex 54 Cutter | | | |
| Cutting | Cut type | Drag-knife with TurboCut and Tangential emulsion modes | |
| | Cut width | 135 cm (53.1 in) | |
| | Cut speed | Up to 113 cm/sec (44 in/sec) diagonal | |
| | Acceleration | Up to 3 G diagonal | |
| | 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 | |
| | Cut thickness | 0.05 to 0.25 mm (0.002 to 0.01 in); 0.8 mm (0.03 in) with optional sandblast blade | |

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|-------------------------------|---|--|
| 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) |
| Weight | Cutter | 48 kg (106 lb) |
| | Cutter (shipping) | 69 kg (152 lb) |
| What's in the box | HP Latex 54 Cutter, cutter stand, 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) | |
| Warranty | One year, after the HP Latex End of Installation Registration is completed by an HP authorized reseller | |

Ordering information

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| Product | 1LH38A | HP Latex 315 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 300/500 User Maintenance Kit |
| | W5A60A | HP Latex 300 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 |
| | CZ682A | HP 831A 775-ml Black Latex Ink Cartridge |
| | CZ683A | HP 831A 775-ml Cyan Latex Ink Cartridge |
| Original HP ink cartridges and maintenance supplies | CZ684A | HP 831A 775-ml Magenta Latex Ink Cartridge |
| | CZ685A | HP 831A 775-ml Yellow Latex Ink Cartridge |
| | CZ686A | HP 831A 775-ml Light Cyan Latex Ink Cartridge |
| | CZ687A | HP 831A 775-ml Light Magenta Latex Ink Cartridge |
| | CZ706A | HP 831 775-ml Latex Optimizer Ink Cartridge |
| | CZ681A | HP 831 Latex Maintenance Cartridge |
| | 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 Permanent Gloss Adhesive Vinyl REACH ⁵ HP Backlit Polyester Film  HP PVC-free Durable Smooth Wall Paper REACH, ⁵ FSC [®] certified, ⁷ UL GREENGUARD GOLD Certified ⁸ HP Premium Poster Paper  FSC [®] certified ⁷ For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com . |
| Service and support | U9PN0E | HP 2 year Next Business Day with Defective Media Retention Print&Cut Latex 315 HW Support |
| | U9PN1E | HP 3 year Next Business Day with Defective Media Retention Print&Cut Latex 315 HW Support |
| | U9PN4PE | HP 1 year Post Warranty Next Business Day with Defective Media Retention Print&Cut Latex 315 HW Support |
| | U9PN5PE | HP 2 year Post Warranty Next Business Day with Defective Media Retention Print&Cut Latex 315 HW Support |


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 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 HP.Printing.Products.and.Consumable.Supplies.


⁶ HP Large Format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. ⁷

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.


⁸ 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.




PRODUCT CERTIFIED FOR REDUCED ENVIRONMENTAL IMPACT. VIEW SPECIFIC ATTRIBUTES EVALUATED: UL.COM/EL UL 2801





PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS UL.COM/GG UL 2818 GOLD



Eco Mark Certification Number 14142007







NOTE: Some certifications may only apply to the printer

