



HP Latex 315 Print and Cut Solution

Grow – with this 1.37 m (4.49 ft) 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 more indoor spaces.
- Enjoy accurate high-speed cutting and cut throughs; LAN connectivity and HP media basket add convenience.
- Optimised 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 box.²

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 inks.³

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 <http://www.hp.com/go/latex315printandcut>

Join the community, find tools, and talk to experts. Visit the HP Latex Knowledge Center at <https://hplatexknowledgecenter.com/>

¹ Based on productivity 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.

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

Print	
Printing modes	48 m²/hr - Billboard (2 pass) 16 m²/hr - Outdoor Plus (6 pass) 12 m²/hr - Indoor Quality (8 pass) 10 m²/hr - Indoor High Quality (10 pass) 6 m²/hr - Backlits, Textiles, and Canvas (16 pass) 5 m²/hr - High Saturation Textiles (20 pass)
Print resolution	Up to 1200 x 1200 dpi
Ink types	Water-based HP Latex Inks
Ink cartridges	7 (black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimiser)
Cartridge size	775 ml
Printheads	6 (2 cyan/black, 2 magenta/yellow, 1 light cyan/light magenta, 1 HP Latex Optimiser)
Long-term print-to-print repeatability	Average ≤ 1 dE2000, 95% of colours ≤ 2 dE2000 ¹
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 rolls (580 to 1371 -mm rolls with full support)
Roll weight	25 kg
Roll diameter	180 mm
Thickness	Up to 0.5 mm
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	Printer: Gigabit Ethernet (1000Base-T); Cutter: USB and Ethernet (LAN)
Dimensions (w x d x h)	
Printer	Printer: 2307 x 840 x 1380 mm; Cutter: 1750 x 680 x 1145 mm
Shipping	Printer: 2541 x 760 x 1250 mm; Cutter: 1880 x 480 x 670 mm
Weight	
Printer	Printer: 174 kg; Cutter: 48 kg
Shipping	Printer: 257.5 kg; Cutter: 69 kg
What's in the box	Printer: HP Latex 315 Printer, printheads, maintenance cartridge, printer stand, spindle, user maintenance kit, edge holders, quick reference guide; setup poster, power cords; Cutter: HP Latex 54 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	Printer: 15 to 30°C; Cutter: 15 to 35°C
Operating humidity	Printer: 20 to 80% RH (non-condensing); Cutter: 35 to 75% RH (non-condensing)
Acoustics	
Sound pressure	Printer: 54 dB(A) (operating), 38 dB(A) (idle), <15 dB(A) (sleep); Cutter: 56 dB(A) (operating)
Sound power	Printer: 7.2 B(A) (operating), 5.5 B(A) (idle), <3.5 B(A) (sleep); Cutter: 7.0 B(A) (operating)
Power	
Consumption	Printer: 2.2 kW (printing), 70 W (ready), <2.5 W (sleep); Cutter: 31 W (working mode)
Requirements	Printer: 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; Cutter: AC 100-240 V (±10%); 50/60 Hz, 85 VA max
Certification	
Safety	Printer: IEC 60950-1+A1+A2 compliant; EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC)
Electromagnetic	Printer: Compliant with Class A requirements, including EU (EMC Directive)
Environmental	Printer: ENERGY STAR; WEEE; RoHS (EU, Ukraine, Turkey); REACH; EPEAT Bronze; OSHA; CE marking compliant; Cutter: WEEE, RoHS (EU); CE marking compliant; REACH
Warranty	Printer: 1 year limited hardware warranty; Cutter: 1 year provided that the HP Latex End of Installation Registration is completed by an HP authorized reseller

Cutting	
Cut type	Drag-knife with TurboCut and Tangential emulation modes
Cut width	135 cm
Cut speed	Up to 113 cm/sec diagonal
Acceleration	Up to 3 G diagonal
Accuracy	0.2% of movement or 0.25 mm, whichever is greater
Repeatability	±0.1 mm
Cut force	0 to 400 grams of downforce, in 5-gram steps
Cut thickness	0.05 to 0.25 mm; 0.8 mm with optional sandblast blade

Ordering information

Product	
1LH38A	HP Latex 315 Print and Cut Solution
Accessories	

1UX44A 1UX45A F0M55A F0M59A F0M64A W5A60A	HP Latex Standard Blade Kit HP Latex Specialty Blade Kit HP Latex 54-in Printer 2-in Spindle HP Latex User Maintenance Kit HP Series 300/500 Edge Holder Kit HP Latex 54-in Take-up Reel
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Original HP printing supplies	
CZ677A CZ678A CZ679A CZ680A CZ681A CZ694A CZ695A CZ696A CZ697A CZ698A CZ699A CZ706A	HP 831 Cyan/Black Latex Printhead HP 831 Yellow/Magenta Latex Printhead HP 831 Light Magenta/Light Cyan Latex Printhead HP 831 Latex Optimizer Printhead HP 831 Latex Maintenance Cartridge HP 831C 775-ml Black Latex Ink Cartridge HP 831C 775-ml Cyan Latex Ink Cartridge HP 831C 775-ml Magenta Latex Ink Cartridge HP 831C 775-ml Yellow Latex Ink Cartridge HP 831C 775-ml Light Cyan Latex Ink Cartridge HP 831C 775-ml Light Magenta Latex Ink Cartridge HP 831 775-ml Latex Optimizer Ink Cartridge

Service and Support	
U9PNOE HP 2 year Next Business Day with Defective Media Retention U9PN1E HP 3 year Next Business Day with Defective Media Retention U9PN4PE HP 1 year Post Warranty Next Business Day with Defective Media Retention U9PN5PE HP 2 year Post Warranty Next Business Day with Defective Media Retention	

ECO highlights

- Better for printing companies/operators – no special ventilation or HAPs¹
- Better for the end-customer, more differentiation – odorless prints reach more indoor spaces¹
- Better for the environment – HP designs end-to-end sustainability into large-format printing
- HP Latex Inks are UL GREENGUARD GOLD Certified² for wallpaper applications

Please recycle printing hardware and eligible printing supplies. Find out how at our website: <http://www.hp.com/ecosolutions>

¹ 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. Odorless prints: 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.
² 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 Reflective measurements on a 943 colour target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard D5 014-6/E:2012. Backlit substrates measured in transmission mode may yield different results.