HP Latex 315
Print and Cut Solution

Grow—with this 54-inch business-ready print and cut solution

The HP solution—best in its class[1]

- 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 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
hp.com/go/Latex315printandcut

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

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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. 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

HP Latex 315 Printer

Printing	Printing modes	48 m²/hr (517 ft²/hr) - Billboard (2 pass) 16 m²/hr (174 ft²/hr) - Outdoor Plus (6 pass) 12 m²/hr (129 ft²/hr) - Indoor Quality (8 pass) 10 m²/hr (108 ft²/hr) - Indoor High Quality (10 pass) 6 m²/hr (65 ft²/hr) - Backlits, Textiles, and Canvas (16 pass) 5 m²/hr (54 ft²/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[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 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 emulation 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

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

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
Original HP ink cartridges and maintenance supplies	CZ694A	HP 831C 775-ml Black Latex Ink Cartridge
	CZ695A	HP 831C 775-ml Cyan Latex Ink Cartridge
	CZ696A	HP 831C 775-ml Magenta Latex Ink Cartridge
	CZ697A	HP 831C 775-ml Yellow Latex Ink Cartridge
	CZ698A	HP 831C 775-ml Light Cyan Latex Ink Cartridge
	CZ699A	HP 831C 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 ♻[6]
		HP PVC-free Durable Smooth Wall Paper REACH,[5] FSC® certified,[7] UL GREENGUARD GOLD Certified[8]
		HP Premium Poster Paper ♻[6] 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. See HPLFMedia.com/hp/ecosolutions for details.

[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.

NOTE: Some certifications may only apply to the printer