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 class[3]

- 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.[4]

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/latex115printandcut

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[1] Based on HP internal testing February, 2017 comparing the HP Latex Print and Cut Solution with a solvent-technology-based integrated print and cut solution at a comparable cost.

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

[3] 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).

[4] 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

Printing

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
Margins	5 x 5 x 5 x 5 mm
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	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 sizes	254 to 1371-mm rolls (580 to 1371-mm rolls with full support) [10 to 54-in rolls (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
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	Standard: 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 (Printer: 91 x 33 x 54 in; Cutter: 68.9 x 26.8 x 45.1 in)
Packaging:	Printer: 2553 x 762 x 1252 mm; Cutter: 1880 x 480 x 670 mm (Printer: 100.5 x 30 x 49.5 in; Cutter: 74 x 18.9 x 26.4 in)

Weight

Printer:	Printer: 174 kg; Cutter: 48 kg (Printer: 384 lb; Cutter: 106 lb)
Packaging:	Printer: 257.5 kg; Cutter: 69 kg (Printer: 568 lb; Cutter: 152 lb)
What´s in the box	Printer: HP Latex 115 Printer; printheads; maintenance cartridge; printer stand; user maintenance kit; edge holders; quick reference guide; setup poster; power cords; Cutter: 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	Printer: 15 to 30ºC; Cutter: 15 to 35ºC
Operating humidity	Printer: 59 to 86ºF; Cutter: 59 to 95ºF
Acoustics	Sound pressure: Printer: 54 dB(A); Cutter: 56 dB(A) (printing) Printer: < 15 dB(A) Sound power: Printer: 7.2 B(A); Cutter: 7.0 B(A) (printing) Printer: < 3.5 B(A)

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 for printer and 13 A max per curing; Cutter: AC 100-240 V (±10%); 50/60 Hz, 85 VA max; 2 A

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	Printer: 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); Cutter: Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KCC)
Environmental	Printer: ENERGY STAR; WEEE; RoHS (EU, China, Korea, India, Ukraine, Turkey); REACH; EPEAT Bronze; OSHA; CE marking compliant; Cutter: 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

HP Latex Basic Cutter

Cutting

Cut type	Drag-knife with TurboCut and Tangential emulation modes
Cut width	135 cm 53.1 in
Cut speed	Up to 84 cm/sec diagonal (113 cm/sec for media narrower than 737 mm) Up to 33 in/sec diagonal (44 in/sec for media narrower than 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, whichever is greater 0.2% of movement or 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; 0.8 mm with optional sandblast blade 0.002 to 0.01 in; 0.03 in with optional sandblast blade

Ordering information

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

Service and Support

HP 2 year Next Business Day with Defective Media Retention Print&Cut Latex 115 HW Support U9TS3E

HP 3 year Next Business Day with Defective Media Retention Print&Cut Latex 115 HW Support U9TS4E

HP 1 year Post Warranty Next Business Day with Defective Media Retention Print&Cut Latex 115 HW Support U9TS7PE

HP 2 year Post Warranty Next Business Day with Defective Media Retention Print&Cut Latex 115 HW Support U9TS8PE

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