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 more indoor spaces.
- 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 Join the community, find tools, and talk to experts. Visit the HP Latex Knowledge Center at https://hplatexknowledgecenter.com/

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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 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.
[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

Print

Printing modes	517 ft²/hr (48 m²/hr)- Billboard (2 pass) 174 ft²/hr (16 m²/hr)- Outdoor Plus (6 pass) 129 ft²/hr (12 m²/hr)- Indoor Quality (8 pass) 108 ft²/hr (10 m²/hr)- Indoor High Quality (10 pass) 65 ft²/hr (6 m²/hr)- Backlits, Textiles, and Canvas (16 pass) 54 ft²/hr (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 Optimizer)
Cartridge size	400 ml
Printheads	6 (2 cyan/black, 2 magenta/yellow, 1 light cyan/light magenta, 1 HP Latex Optimizer)
Long-term print-to-print repeatability	Average ≤ 1 dE2000, 95% of colors ≤ 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	10 to 54-in (254 to 1371-mm) rolls ;23 to 54-in (580 to 1371-mm) rolls with full support
Roll weight	55 lb (25 kg)
Roll diameter	7.1 in (180 mm)
Thickness	Up to 19.7 mil (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: 91 x 33 x 54 in (2307 x 840 x 1380 mm); Cutter: 69 x 27 x 45 in (1750 x 680 x 1145 mm)
Shipping	Printer: 101 x 30 x 50 in (2553 x 762 x 1252 mm); Cutter: 74 x 19 x 27 in (1880 x 480 x 670 mm)

Weight

Printer	Printer: 384 lb (174 kg); Cutter: 106 lb (48 kg)
Shipping	Printer: 568 lb (258 kg); Cutter: 152 lb (69 kg)
What's in the box	Printer: HP Latex 115 Printer, printheads, maintenance cartridge, printer stand, spindle, 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: 59 to 86ºF (15 to 30ºC); Cutter: 59 to 95ºF (15 to 35ºC)
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 two wires and PE; 50/60 Hz; two power cords; 3 A max for printer and 13 A max per curing; Cutter: AC 100-240 V; 50/60 Hz, 85 VA max; 2 A

Certification

Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed)
Electromagnetic	Printer and Cutter: Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES)
Environmental	Printer: ENERGY STAR; WEEE; REACH; EPEAT Bronze; OSHA Cutter: WEEE; REACH
Warranty	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	53.1 in (135 cm)
Cut speed	Up to 33 in/sec (84 cm/sec) diagonal; 44 in/sec (113 cm/se) for media narrower than 29 in (737 mm)
Acceleration	Up to 0.9 G diagonal (3 G for media narrower than 737 mm/29 in)
Accuracy	0.2% of movement or 0.01 in (0.25 mm), whichever is greater
Repeatability	±0.004 in (0.1 mm)
Cut force	0 to 400 grams of downforce, in 5-gram steps
Cut thickness	0.002 to 0.01 in (0.05 to 0.25 mm); 0.03 in (0.8 mm) with optional sandblast blade

Ordering information

Product

1LH39A	HP Latex 115 Print and Cut Solution

Accessories

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
F0M64A	HP Series 300/500 Edge Holder Kit
W5A60A	HP Latex 54-in Take-up Reel

Original HP printing supplies

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
CZ681A	HP 831 Latex Maintenance Cartridge
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

Original HP large format printing materials

HP Permanent Gloss Adhesive Vinyl (REACH certified[2])
HP Backlit Polyester Film[3]
HP PVC-free Durable Smooth Wall Paper (REACH[2], FSC®[4], UL GREENGUARD GOLD certified[5])
HP Premium Poster Paper[3] (FSC® certified[4])

For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

U9TS3E HP 2 year NBD with Defective Media Retention
U9TS4E HP 3 year NBD with Defective Media Retention
U9TS7PE HP 1 year Post Warranty NBD with Defective Media Retention
U9TS8PE HP 2 year Post Warranty NBD with Defective Media Retention

ECO highlights

- Better for printing companies/operators—no special ventilation or HAPs[1]
- Better for the end-customer, more differentiation—odorless prints reach more indoor spaces[1]
- Better for the environment—HP designs end-to-end sustainability into large-format printing
- HP Latex Inks are UL GREENGUARD GOLD Certified[2]

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.
[3] ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country.

[1] 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. Backlit substrates measured in transmission mode may yield different results.
[2] 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.
[3] 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 http://www.HPLFMedia.com/hp/ecosolutions for details.
[4] BMG trademark license code FSC®-C115319, see http://www.fsc.org. HP trademark license code FSC®-C017543, see http://www.fsc.org. Not all FSC®-certified products are available in all regions.
[5] 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.

ENERGY STAR

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HP Water-Based Ink technology

GREENGUARD