Datasheet

HP Latex 115 Print and Cut Plus Solution

Start—with this easy, affordable 54-in HP Latex print and cut solution

Complete HP solution—outstanding print and cut

- The HP Latex printer enables a wide range of odorless applications[1] and full bleed stickers that don't curl.
- The HP Latex cutter provides fast, accurate cutting and downforce up to 400 grams.
- The HP FlexiPRINT and CUT RIP includes True Shape Nesting—automatically save up to 50% more media.[2]
- HP Applications Center design tools are included, for easy creation of new applications in just 3 steps.[3]

Up to 50% time savings with true print AND cut[4]

- Print AND cut at the same time—versus print OR cut integrated devices—with our 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 enables outdoor durability up to 3 years.[5]

Easy and reliable workflow

- Print/cut in a few steps—add cut lines from the RIP, select cutting presets, and easily send to production.
- Accurate job recognition and error-free cutting with HP Barcode and Optical Position System configurations.
- Easy-to-use cutter with a simple touchscreen interface and media basket.

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/

[1] 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] Compared to printing without nesting. Based on performance demonstration by HP, September 2020.
[3] Requires an HP Applications Center account, Internet connection, and connected Internet-capable device. For more information, see http://www.hpapplicationscenter.com.
[4] Based on internal HP testing, September 2020, comparing the HP Latex Print and Cut Plus Solution with integrated print and cut solutions at a comparable cost. An integrated printer/cutter device is a large-format printer that has a contour cutter embedded in the same printer that prints the media, then moves the media backwards to cut the printed output.
[5] Scratch-resistance comparison based on testing third-generation HP Latex Inks and representative hard-solvent inks on self-adhesive vinyl and PVC banner. HP image permanence estimates by HP Image Permanence Lab. Outdoor display permanence tested according to SAE J2527 on a range of media, including HP media; in a vertical display orientation in simulated nominal outdoor display conditions for select high and low climates, including exposure to direct sunlight and water; performance may vary as environmental conditions change.

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 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 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; Customisable 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: 1765 x 704 x 1112 mm
Shipping	Printer: 2553 x 762 x 1252 mm; Cutter: 2230 x 420 x 710 mm

Weight

Printer	Printer: 174 kg; Cutter: 43.5 kg
Shipping	Printer: 257.5 kg; Cutter: 71 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, quick reference guide, setup poster, 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: 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: 55 dB(A) (operating)
Sound power	Printer: 7.2 B(A) (operating), 5.5 B(A) (idle), <3.5 B(A) (sleep); Cutter: <7.1 B(A) (operating)

Power

Consumption	Printer: 2.2 kW (printing), 70 W (ready), <2.5 W (sleep); Cutter: 34 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 cord and 13 A max for curing cord; Cutter: AC 100-240 V; 50/60 Hz; 2 A

Certification

Safety	IEC 60950-1+A1+A2 compliant; IEC 62368-1 compliant; USA and Canada (CSA listed); EU (LVD, EN 60950-1 and EN 62368-1 compliant); Russia, Belarus, and Kazakhstan (EAC); China (CCC)
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	One-year limited hardware warranty

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	1 to 400 grams of downforce, in 5-gram steps
Cut thickness	0.05 to 0.25 mm; 0.6 mm with optional speciality blade

Ordering information

Product

9TL96A	HP Latex 115 Print and Cut Plus 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

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

- Water-based ink—no special ventilation, HAPs, reactive monomer chemistry, or ozone[1]
- Low-emission UL GREENGUARD Gold[2], reduced-impact Zero Discharge of Hazardous Chemicals (ZDHC)[3]
- Free ink cartridge/printhead take back; recyclable, returnable, or non-hazardous disposal prints[4]
- ENERGY STAR® certified for superior energy efficiency[5]

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

[1] No special ventilation equipment means air filtration systems are not required to meet U.S. OSHA requirements. Condensate collection systems are provided on some models. 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. HP Latex Inks were tested for Hazardous Air Pollutants, as defined in the Clean Air Act, per U.S. Environmental Protection Agency Method 311 (testing conducted in 2013) and none were detected. Printing with HP Latex Inks avoids the problematic reactive monomers associated with UV printing. Acrylate monomers present in uncured UV inks and UV-gel inks can damage skin.
[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. Unrestricted room size—full decorated room, 33.4 m² (360 ft²) in an office environment, 94.6 m² (1,018 ft²) in a classroom environment. For more information, visit http://www.ul.com/gg or http://www.greenguard.org.
[3] Applicable to HP Latex Inks. The ZDHC Roadmap to Zero Level 1 demonstrates that an ink conforms to or meets the standards of the ZDHC Manufacturing Restricted Substances List (ZDHC MRSL) 1.1, a list of chemical substances banned from intentional use during production. ZDHC is an organization dedicated to eliminating hazardous chemicals and implementing sustainable chemicals in the leather, textile, and synthetics sectors. The Roadmap to Zero Program is a multi-stakeholder organization which includes brands, value chain affiliates, and associates, that work collaboratively to implement responsible chemical management practices. See http://www.roadmaptozero.com.
[4] Visit http://www.hp.com/go/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your area. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal. Most HP large format paper-based printing materials can be recycled through commonly available recycling programs, or according to region-specific practices. Some HP media are eligible for return through the free, convenient HP Large Format Media take-back program. Programs may not exist in your area. See http://www.HPLFMedia.com/ecosolutions for details.
[5] ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S Environmental Protection Agency. See http://www.energystar.gov for certification status by country.

[1] Reflective measurements on a 943 colour 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.

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