HP Latex 335 Print and Cut Plus Solution

Expand into wider applications with this 64-in true 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 600 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/latex335printandcut

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

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[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	50 m²/hr - Billboard (2 pass) 23 m²/hr - Outdoor High Speed (4 pass) 17 m²/hr - Outdoor Plus (6 pass) 13 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	775 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, 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 1625-mm rolls (580 to 1625-mm rolls with full support)
Maximum roll weight	42 kg
Maximum roll diameter	250 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: 2561 x 840 x 1380 mm; Cutter: 1960 x 704 x 1112 mm
Shipping	Printer: 2795 x 760 x 1250 mm; Cutter: 2230 x 420 x 710 mm

Weight

Printer	Printer: 208 kg; Cutter: 48 kg
Shipping	Printer: 290 kg; Cutter: 74 kg
What's in the box	Printer: HP Latex 335 Printer, printheads, maintenance cartridge, printer stand, spindle, take-up reel, variable front tension kit, user maintenance kit, edge holders, quick reference guide, setup poster, power cords; Cutter: HP Latex 64 Cutter, cutter stand, media basket, 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: 55 dB(A) (operating), 39 dB(A) (idle), <15 dB(A) (sleep); Cutter: 56 dB(A) (operating)
Sound power	Printer: 7.4 B(A) (operating), 5.7 B(A) (idle), <3.5 B(A) (sleep); Cutter: <7.3 B(A) (operating)

Power

Consumption	Printer: 1.4-2.4 kW (2.6 kW peak) (printing), 72 W (ready), <2.5 W[2] (sleep) (<8 W[3] with DFE), <0.15 W (off); 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 16 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	158 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 600 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

9TL94A	HP Latex 335 Print and Cut Plus Solution

Accessories

1UX44A	HP Latex Standard Blade Kit
1UX45A	HP Latex Specialty Blade Kit
F0M56A	HP Series 300 64-in Printer 2-in Spindle
F0M58A	HP Series 300 64-in Printer 3-in Spindle
F0M59A	HP Latex User Maintenance Kit
F0M64A	HP Series 300/500 Edge Holder Kit

Service and Support

U9PN8E HP 2 year NBD with Defective Media Retention
U9PN9E HP 3 year NBD with Defective Media Retention
U9PP2PE HP 1 year Post Warranty NBD with Defective Media Retention
U9PP3PE HP 2 year Post Warranty NBD with Defective Media Retention

[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] Excluding Type 2 DFE (Digital Front End) as defined in Energy Star® Product Specification for Imaging Equipment version 3.1.
[3] Total power measured in sleep mode including the Digital Front End contained on the product.