

HP Latex FS50 W Printer



Deliver stunning results with a superwide printer that scales as your business grows



STUNNING—Quality that drives high margins

- You can grow into higher-margin jobs with up to 30% wider gamut¹ at high speed—preserving media gloss, feel.
- Stand out with a wide range of signage and décor applications—thin films, vinyl, odorless² backlit textiles.
- Consistent color and quality configurations across your global fleet with HP Configuration Center³.

SCALABLE—As your business grows

- Integrate future enhancements with a scalable platform ready to meet evolving business needs.
- Meet tight turnarounds with speeds up to 89 m² (958 ft²) per hour⁴ today.
- Minimize ink waste and streamline your workflow with auto printhead cleaning and an intuitive interface.
- Print remotely and monitor fleet with HP Live Production included in HP Professional Print Service Plan⁵.

SUSTAINABLE—With environmental certifications

- This printer is built to last⁶ thanks to its scalable design.
- Create a comfortable workspace—water-based inks enable odorless prints² and no hazardous air pollutants⁷.
- Stand out with an offering that meets environmental certifications like UL ECOLOGO⁸ and UL GREENGUARD⁹.
- Contribute to the circular economy with HP Planet Partners¹⁰ and PVC alternative media profile database¹¹.

Messaging Footnotes

¹Based on testing commissioned by HP and performed by Venture Electronics Spain, comparing the gamuts of HP Latex Gen 4 inks with those of leading competitive alternatives using UV technology. Test performed under the same conditions in all printers measuring the ECI2002 target with the FD-9 spectrophotometer from Konica Minolta.

²Based on testing commissioned by HP and performed by Odournet and applicable to HP Latex Inks. Testing conducted according to VDI Guideline 3882 where 832 and 873 inks were characterized as “weak” in odor intensity and “neutral” for hedonic tone. 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.

³HP Learn’s free training content, HP Print Beat remote monitoring of production and analytics, HP PrintOS Mobile, and HP Configuration Center are available free of charge for all HP printers compatible with HP PrintOS. Requires an HP PrintOS account, Internet connection, and connected Internet-capable device. For more information, see <http://www.printos.com>.

⁴Based on internal HP testing. Outdoor mode 3-pass, 6-color, 90%. While CMYK and Optimizer are duplicated with symmetrical double printheads, Overcoat, Light Magenta and Light Cyan rely on single printheads.

⁵HP PrintOS Live Production is available for subscribers of the HP Professional Print Services Plus Plan. Please consult your HP representative for information about availability and/or geographic coverage. Requires an HP PrintOS account, Internet connection, and connected Internet-capable device. For more information, see <http://www.printos.com>.

⁶Based on HP Large Format supplies Long Term Plan, at least 70% of printers installed, from the previous generation, are still in use in 2024. And on average printers in use are 6-7 years old and at least 50% of printers are > 6 years old.

⁷HP 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.

⁸UL ECOLOGO[®] Certified HP 832, HP 872, HP 873, and 882, FS50 and FS60 printer series Latex Inks meet a range of stringent human health and environmental considerations. For certifications, see <http://www.ul.com/EL> and <http://www.ul.com/gg>.

⁹Applicable to HP Latex Inks. 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>. For certifications, see <http://www.greenguard.org>.

¹⁰Visit <http://www.hp.com/recycle> to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal.

¹¹HP applications experts have evaluated the catalog of media listed in the HP Media Locator based on internal criteria to identify those that provide alternative solutions with certain environmental benefits compared to the typical media within the same application type. The information in media locator is provided by the media substrate vendors. HP is not responsible for the veracity of the information from third-party companies published on the HP website. See <http://www.hp.com/go/mediasolutionslocator>.



Technical specifications

Print	
Print speed	1302 ft ² /hr (2-pass); 958 ft ² /hr (3-pass); 743 ft ² /hr (4-pass); 527 ft ² /hr (6-pass); 409 ft ² /hr (8-pass); 312 ft ² /hr (10-pass); 581 ft ² /hr - White Spot (60%); 183 ft ² /hr - White Overcoat (100%); 108 ft ² /hr - 3 Layers (60%); 36 ft ² /hr - 5 Layers
Print resolution	Up to 1200 x 1200 dpi
Technology	HP Latex Printing Technologies
Ink types	Water-based HP Latex Inks
Ink cartridges	9 (black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer, HP Latex Overcoat, white)
Cartridge size	5 L (color) upgradeable to 10 L with B3SG0A; 3L (white)
Printheads	9 (6 HP Latex Universal, 2 HP Latex Optimizer, 1 HP Latex White)
Long-term print-to-print repeatability	Maximum color difference (95% of colors) ≤ 2 dE2000
Media	
Applications	Exhibition and event graphics; Decoration; Displays; Exterior signage; Indoor posters; Banners; Light boxes - film; POP/POS; Textile; Vehicle graphics; Wallpaper; Window graphics
Handling	Roll-to-roll, double-sided blockout, dual-roll (optional), roll-to-freefall (optional), ink collector (optional)
Maximum media width	126 in (single roll); 2 x 63 in (optional dual roll); 2 x 60 in (optional jumbo dual roll)
Media rolls	1 (2 with optional dual roll kit)
Roll size	Up to 126 in (single roll); Up to 2 x 63 in (optional dual roll); Up to 2 x 60 in (optional jumbo dual roll)
Maximum roll weight	Up to 350 lb (single roll); Up to 661 lb (with optional diverter roller); Up to 2 x 155 lb (with optional dual roll kit); Up to 2 x 440 lb (with optional jumbo dual roll kit)
Maximum roll diameter	11.8 in (15.75 in with optional diverter roller)
Thickness	Up to 0.015 in (default); up to 0.08 in (with custom carriage height setting)
Media types	Banners, self-adhesive vinyls, films, papers, wallcoverings, canvas, synthetics, fabrics, mesh, textiles ¹

Connectivity	
Interfaces	Intel I210-T1 Gigabit Ethernet (1000Base-T)
Dimensions (W x D x H)	
Printer	228 x 54 x 66 in
Shipping	231 x 71 x 75 in
Weight	
Printer	2916 lb
Shipping	4630 lb
Included	
What's in the box	HP Latex FS50 W Printer, printheads, 126-in spindles (x2), HP Latex Cleaning Kit, HP Internal Print Server, touch monitor, documentation software, user manual, media edge holders, Original HP sample media, cleaning supplies, pneumatic gun, User Maintenance Kit
Environmental ranges	
Operating temperature	59 to 86°F
Operating humidity	20 to 70% RH (non-condensing)
Acoustics	
Sound pressure	Printing: 71 dB(A) (operating), 58 dB(A) (idle)
Power	
Consumption	12-13 kW (printing), 510 W (ready), 110 W (low power mode), 100 W (shutdown)
Requirements	Input voltage 200-240/380-415 V Delta/Wye three-phase and PE; 50/60 Hz; 56/35 A
Certification	
Safety	IEC 62368-1 compliant; United States and Canada (CSA listed); EU (MD compliant, EN60204-1, EN12100, EN13849-1, EN1010-1); Ukraine (UA)
Electromagnetic	Compliant with Class A requirements: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM), Korea (KCC)
Environmental	WEEE, RoHS (EU, China, Ukraine), REACH, CE marking compliant
Warranty	One-year limited hardware warranty

Ordering information

Product

9T923C HP Latex FS50 W Printer

Accessories

474Y0A	HP Latex 2700/FS Ink Collector Foams Kit
4J0X0A	HP 126-in Dual Roll Kit
4R4W4A	HP 126-in Spindle
4R4W5A	HP Latex 126-in Roll Freefall Kit
4R4W7A	HP 126-in Diverter Roller
55P20A	HP Latex 2700/FS Standard Uptime Kit
55P22A	HP Latex 2700/FS User Maintenance Kit
79D06A	HP Latex 2700/FS Edge Holder Kit
B3SG0A	HP Latex FS Series High Capacity Ink Upg
G1K80B	HP 126-in Dual Roll Spindle
L2E28A	HP Latex Jumbo Dual Roll Split Spindles
M2J33A	HP Latex In-Line Slitters
T4E58B	HP Latex Media Saver Kit

Original HP printing supplies

G0Z21A	HP 886 White Latex Printhead
G0Z22A	HP 886 Optimizer Latex Printhead
G0Z24A	HP 886 Latex Printhead
G0Z28A	HP 883 5-liter Cyan Latex Ink Cartridge
G0Z29A	HP 883 5-liter Magenta Latex Ink Cartridge
G0Z30A	HP 883 5-liter Yellow Latex Ink Cartridge
G0Z31A	HP 883 5-liter Black Latex Ink Cartridge
G0Z32A	HP 883 5-liter Light Cyan Latex Ink Cartridge
G0Z33A	HP 883 5-liter Light Magenta Latex Ink Cartridge

G0Z34A	HP 883 5-liter Optimizer Latex Ink Cartridge
G0Z35A	HP 883 5-liter Overcoat Latex Ink Cartridge
G0Z44A	HP 883 3-liter White Latex Ink Cartridge

Use Original HP inks and printheads, and HP large format printing materials, to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system, and Original HP inks are designed to maximize the life of HP printheads. Protect your HP printer investment by using Original HP inks for full HP warranty protection. For more information, visit <https://hp.com/go/OriginalHPInks>

Original HP large format printing materials

HP Photo-realistic Poster Paper
HP Optimal Gloss Air GRP (REACH Compliant²)
HP Removable Adhesive Fabric (REACH Compliant²)
HP 15-oz Prime Double-sided Blockout Banner (REACH Compliant²)
For the entire HP Large Format Printing Materials portfolio, please see HPLFMedia.com.

Service and Support

U95SKE HP 2 year Plus Service Plan Hardware Support w/DMR for HP Latex FS50 White (In Warranty)
U95SLE HP 3 year Plus Service Plan Hardware Support w/DMR for HP Latex FS50 White (In Warranty)
U95SME HP 4 year Plus Service Plan Hardware Support w/DMR for HP Latex FS50 White (In Warranty)
U95SNE HP 5 year Plus Service Plan Hardware Support w/DMR for HP Latex FS50 White (In Warranty)
HP Support Services offer installation and extended support services (e.g. 2, 3, 4, and 5 years). For more information, please visit <http://www.hp.com/go/cpc>

Specification Footnotes

¹ Performance may vary depending on media—for more information, see <http://www.hp.com/go/mediasolutionslocator>. For best results, use textiles that do not stretch. The optional ink collector is required for porous textiles.

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.

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November 2024

