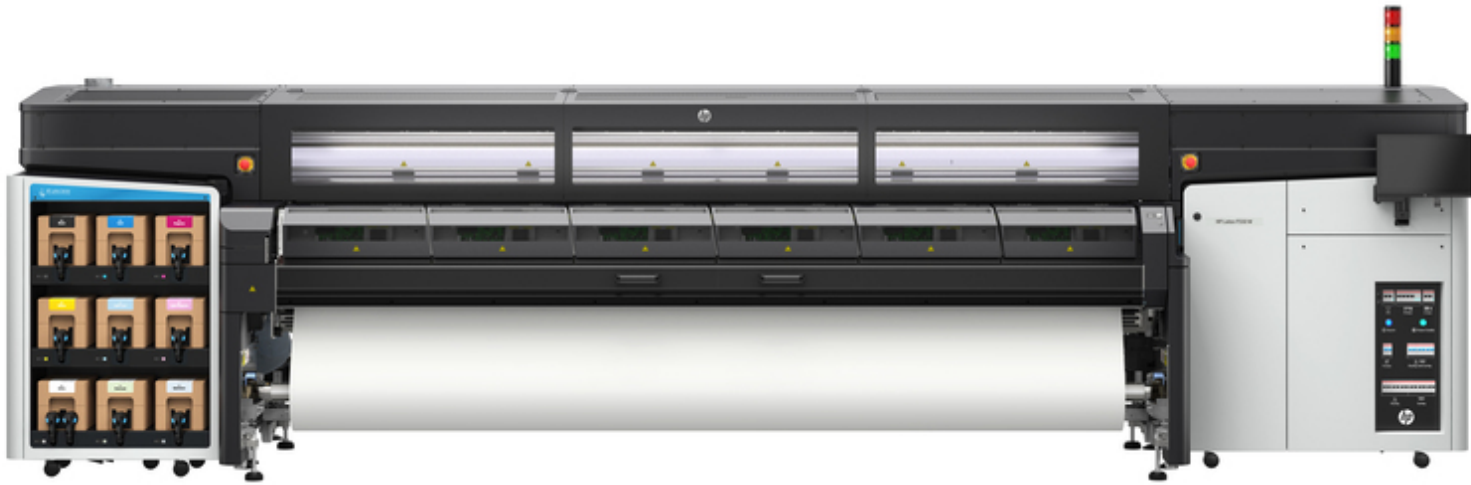# HP Latex FS50 W Printer

HP

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

*Product image may differ from actual product

STUNNING—Quality that drives high margins

- You can grow into higher-margin jobs with up to 30% wider gamut[1] at high speed—preserving media gloss, feel.
- Stand out with a wide range of signage and décor applications—thin films, vinyl, odourless[2] backlit textiles.
- Consistent colour and quality configurations across your global fleet with HP Configuration Center[3].

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 hour[4] today.
- Minimise 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 Plan[5].

SUSTAINABLE—With environmental certifications

- This printer is built to last[6] thanks to its scalable design.
- Create a comfortable workspace—water-based inks enable odourless prints[2] and no hazardous air pollutants[7].
- Stand out with an offering that meets environmental certifications like UL ECOLOGO®[8] and UL GREENGUARD[9].
- Contribute to the circular economy with HP Planet Partners[10] and PVC alternative media profile database[11].

Messaging Footnotes

[1]Based 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.

[2]Based 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 odour intensity and "neutral" for hedonic tone. There is a broad set of media with very different odour profiles. Some of the media can affect the odour performance of the final print.

[3]HP 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.

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

[5]HP 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.

[6]Based 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.

[7]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.

[8] UL 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.

[9] Applicable 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.

[10]Visit 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.

[11]HP 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.

For more information, please visit http://www.hp.com/go/latex-fs50-series Join the community, find tools, and talk to experts. Visit the HP Latex Knowledge Center at https://lkc.hp.com/

Datasheet

Technical specifications

Print

Print speed	121 m²/hr (2-pass); 89 m²/hr (3-pass); 69 m²/hr (4-pass); 49 m²/hr (6-pass); 38 m²/hr (8-pass); 29 m²/hr (10-pass); 54 m²/hr - White Spot (60%); 17 m²/hr - White Overflood (100%); 10 m²/hr - 3 Layers (60%); 3.3 m²/hr - 5 Layers
Print resolution	Up to 1200 x 1200 dpi
Technology	HP Latex Printing Technologies
Ink types	Water-based HP Latex Inks
Print Cartridges/Bottle, Number	8 (black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimiser, HP Latex Overcoat)
Print cartridge/bottle volume delivered	5 L (colour) upgradeable to 10 L with B3SG0A
Printheads	8 (6 HP Latex Universal, 2 HP Latex Optimiser)
Long-term print-to-print repeatability	Maximum colour difference (95% of colours) ≤ 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)
Rolls	Media rolls: 1 (2 with optional dual roll kit); Roll size: Up to 3.2 m (single roll); Up to 2 x 1.6 m (optional dual roll); Up to 2 x 1.53 m (optional jumbo dual roll); Maximum roll weight: Up to 160 kg (single roll); Up to 300 kg (with optional diverter roller); Up to 2 x 70 kg (with optional dual roll kit); Up to 2 x 200 kg (with optional jumbo dual roll kit); Maximum roll diameter: 30 cm (40 cm with optional diverter roller);
Maximum media width	3.2 m (single roll); 2 x 1.60 m (optional dual roll); 2 x 1.53 m (optional jumbo dual roll)
Thickness	Up to 0.4 mm (default); up to 2.0 mm (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)

Product	574 x 138 x 167 cm
Shipping	586 x 181 x 191 cm

Weight

Product	1323 kg
Shipping	2110 kg

Included

What's in the box	HP Latex FS50 W Printer, printheads, 126-in spindles (x2), 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	15 to 30°C
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

3Y0K4A	HP Latex 2700/FS Ink Collector Kit
474X9A	HP Latex 2700/FS Jumbo Dual Roll Kit
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
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

8G4G4A	HP 883 5-liter Overcoat B Latex Ink Cartridge
G0Z21A	HP 886 White Latex Printhead
G0Z22A	HP 886 Optimiser 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 Optimiser 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 Compliant[2])
HP Removable Adhesive Fabric (REACH Compliant[2])
HP 15-oz Prime Double-sided Blockout Banner (REACH Compliant[2])

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.

November 2024
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