

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 gamut¹ at high speed—preserving media gloss, feel.
- Stand out with a wide range of signage and décor applications—thin films, vinyl, odourless² backlit textiles.
- Consistent colour 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.
- 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 Plan⁵.

SUSTAINABLE—With environmental certifications

- This printer is built to last⁶ thanks to its scalable design.
- Create a comfortable workspace—water-based inks enable odourless prints² and no hazardous air pollutants⁷.
- Stand out with an offering that meets environmental certifications like UL ECOLOGO[®] and UL GREENGUARD[®].
- 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 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.

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-colour, 90%. While CMYK and Optimiser 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>.

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/>



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 Overflow (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
Ink cartridges	8 (black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimiser, HP Latex Overcoat)
Cartridge size	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 blackout, dual-roll (optional), roll-to-freefall (optional), ink collector (optional)
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)
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)
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	1213 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
Certifications & Compliance	
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		
Country of origin	Singapore		
Scale Up Kits			
9S7Z7A	HP Latex Productivity Kit		
474X9A	HP Latex 2700/FS Series Jumbo Dual Roll Kit		
UL1X8E	HP Latex FS Series High-Capacity Ink Upg		
Accessories			
3Y0K4A	HP Latex 2700/FS Ink Collector Kit	4R4W7A	HP 126-in Diverter Roller
474X9A	HP Latex 2700/FS Jumbo Dual Roll Kit	79D06A	HP Latex 2700/FS Edge Holder Kit
474Y0A	HP Latex 2700/FS Ink Collector Foams Kit	G1K80B	HP 126-in Dual Roll Spindle for 4J0X0A
4J0X0A	HP 126-in Dual Roll Kit	L2E28A	HP Latex Jumbo Dual Roll Split Spindles
4R4W4A	HP 126-in Spindle	M2J33A	HP Latex In-Line Slitters
4R4W5A	HP Latex 126-in Roll Freefall Kit	T4E58B	HP Latex Media Saver Kit
Original HP printing supplies			

Original HP printing supplies			
8G4G4A	HP 883 5-liter Overcoat B Latex Ink Cartridge	G0Z31A	HP 883 5-liter Black Latex Ink Cartridge
G0Z21A	HP 886 White Latex Printhead	G0Z32A	HP 883 5-liter Light Cyan Latex Ink Cartridge
G0Z22A	HP 886 Optimiser Latex Printhead	G0Z33A	HP 883 5-liter Light Magenta Latex Ink Cartridge
G0Z24A	HP 886 Latex Printhead	G0Z34A	HP 883 5-liter Optimiser Latex Ink Cartridge
G0Z28A	HP 883 5-liter Cyan Latex Ink Cartridge	G0Z35A	HP 883 5-liter Overcoat Latex Ink Cartridge
G0Z29A	HP 883 5-liter Magenta Latex Ink Cartridge	G0Z44A	HP 883 3-liter White Latex Ink Cartridge
G0Z30A	HP 883 5-liter Yellow Latex Ink Cartridge	G0Z45A	HP 883 Latex Printhead Cleaning Kit
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.