HP Stitch S1000 126-in Printer

Take your application range to the next level with 126-inch (3.2-m) dye-sub production printing

Produce high-quality jobs, gain high versatility

- With a single device, print on both transfer paper and direct-to-fabric with great results.
- Enhance your backlit saturation performance on direct-to-fabric thanks to the contact heater.[1]
- Get deep blacks, vivid colors, and high-resolution with 1200 native dpi printheads and the Drop & Dry system.
- Reliable image quality at speed with a Smart Nozzle Compensation system and Optical Media Advance Sensor Plus.

Meet your deadlines with high productivity

- Fast turnaround production with very short start-up times[2] and speeds up to 2370 ft²/hr (220 m²/hr).[3]
- Help increase your uptime with user-replaceable printheads and HP preventive maintenance support.[4]
- Confidently print unattended with spreader rollers, 10-liter ink supplies, and rolls up to 600 lb (300 kg).
- Double throughput on substrates up to 63 in (1.6 m) with the dual roll option.

Save time with easy operation

- In 40% less time, a single operator can easily load both transfer and textile rolls.[2]
- Distribute jobs over the fleet, get color consistency with built-in spectrophotometer/HP Configuration Center.
- Control your print operations virtually anytime, anywhere and make data-driven decisions with HP PrintOS.[5]

For more information, please visit http://www.hp.com/go/stitchs1000

[1] Applicable to the backlit media included in the HP Media Solutions Locator, see http://www.hp.com/go/mediasolutionslocator.
[2] Very short start up times compared to alternative 126-inch dye-sublimation based textile printers under $250,000 USD available as of July, 2020. Preparation time including 40% less loading time, printhead cleaning, and warm up time. This is based on internal HP testing in July, 2020 and features including automatic media tension adjustment and easy, simple media path, automatic and optimized printhead cleaning, and warm up in parallel with loading. Testing was performed measuring the time from starting the printer loading process until the printer starts printing, and measuring time with a chronometer.
[3] Production-Economy print mode, 2-pass, 50%, for certain patterns of curtains and upholstery for interior décor applications. Based on internal HP testing in February, 2019 on transfer paper (Coldenhove Jet-X 57 grams, 126-in/3.2-m width).
[4] Individual services may be provided by HP or an HP-authorized partner. Some services depend on printer, service contract, and region availability.
[5] HP PrintOS is available in both web and mobile app view and needs the printer to be connected to the Internet. The HP PrintOS Mobile Application is compatible with Android™ 4.0 or later and iPhone mobile devices running iOS 8 or later.

Technical specifications

Print

Printing modes	3770 ft²/hr - Maximum Speed (1-pass) 2370 ft²/hr - Production Economy (2-pass) 1720 ft²/hr - Production Fast (3-pass) 1400 ft²/hr - Production Quality (4-pass) 1080 ft²/hr - High Quality (6-pass) 1 and 2 pass are available for transfer printing only
Print resolution	Up to 1200 x 600 dpi
Ink types	HP Dye Sub Inks
Ink cartridges	4 (cyan, magenta, yellow, black)
Cartridge size	10 L
Printheads	4 HP Thermal Inkjet (2 cyan/black, 2 magenta/yellow)
Long-term print-to-print repeatability	Average ≤ 1 dE2000, 95% of colors ≤ 1.5 dE2000[1]

Media

Handling	Roll-to-roll, ink collector
Media types	Sublimation transfer papers, sublimation polyester fabrics
Roll size	25 to 126 in
Roll weight	Up to 660 lb (126-in roll); Up to 220 lb (63-in roll)
Roll diameter	13.8 in
Thickness	Up to 19.7 mil
Stretchability	Winding direction up to 5%; Cross winding direction up to 10%; Diagonal up to 10%
Applications	Banners; Billboards; Displays; Exhibition and event graphics; Exterior signage; Interior decoration; POP/POS; Textile

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T)

Dimensions (w x d x h)

Printer	228 x 54 x 66 in
Shipping	231 x 71 x 75 in
Operating area	344 x 172 in

Weight

Printer	3020 lb
Shipping	4442 lb
What's in the box	HP Stitch S1000 126-in Printer, printheads, printhead cleaning kit, 126-in spindles (x2), spreader rollers, ink collector, set of ink collector foams and filters, aerosol extractor channel, HP Internal Print Server and monitor, documentation software, user manual, media edge holders (x4), cleaning supplies, pneumatic gun, beacon

Environmental ranges

Operating temperature	59 to 86ºF
Operating humidity	20 to 70% RH (non-condensing)

Acoustics

Sound pressure	<68 dB(A) (operating), <58 dB(A) (idle)

Power

Consumption	5.5 kW (typical) transfer paper; 6.5 kW (typical) direct-to-fabric

Certification

Safety	IEC 60950-1+A1+A2 and IEC 62368-1, 2nd Ed. compliant; United States and Canada (CSA listed); EU (LVD and MD compliant, EN60950-1, EN 62368-1, EN12100-1, EN60204-1, and EN1010); Russia, Belarus and Kazakhstan (EAC)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia (ACMA), New Zealand (RSM)
Environmental	WEEE; China RoHS; EAEU RoHS; EU RoHS; REACH; CE marking compliant
Warranty	One-year limited hardware warranty

Ordering information

Product

1D3A8A	HP Stitch S1000 126-in Printer

Accessories

324P9A	HP Stitch S1000 Extraction System Carbon Filter Kit
4TA09A	HP Stitch S1000 Ink Collector Foam Kit
7JC63A	HP Ergosoft Pro RIP S1000 Color Edition
CZ059A	HP Series 1000/3000 126-in Carbon Fiber Spindle
D9Z41B	HP Large Format Onyx Thrive RIP Software
L5E74C	HP Large Format Caldera Grand RIP Software
T0F91A	HP Series 1000 Dual Roll Kit

Original HP printing supplies

4UV63A	HP 638 10-liter Black Stitch Dye Sublimation Ink Cartridge
4UV64A	HP 638 10-liter Cyan Stitch Dye Sublimation Ink Cartridge
4UV65A	HP 638 10-liter Magenta Stitch Dye Sublimation Ink Cartridge
4UV66A	HP 638 10-liter Yellow Stitch Dye Sublimation Ink Cartridge
4UV67A	HP 618 Magenta and Yellow Stitch Dye Sublimation Printhead
4UV68A	HP 618 Black and Cyan Stitch Stitch Dye Sublimation Printhead
4UV69A	HP 618 Stitch Dye Sublimation Printhead Cleaning Kit

ECO highlights

- ECO PASSPORT certified dye sublimation inks[1]
- Free, convenient HP ink cartridge and printhead recycling[2]

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

[1] Original HP Dye Sublimation Inks for the HP Stitch S Printer series are certified ECO PASSPORT by Oeko-Tex,® which is a globally uniform testing and certification system for textile chemicals, colorants, and auxiliaries. It consists of a two-step verification procedure that analyzes whether the compounds and each ingredient meet specific criteria for sustainability, safety, and regulatory compliance.
[2] Program availability varies. Please check http://www.hp.com/recycle for details.

[1] The color variation inside a printed job has been measured at 4-pass mode on transfer media and also in direct-to-fabric situations within this limit: maximum color difference (95% of colors) ≤ 1.5 dE2000. 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. 5% of colors may experience variations above 1.5 dE2000. Backlit substrates measured in transmission mode may yield different results. Results are dependent on sublimation process variability.