

HP Stitch S500 64-in Printer

The robust, efficient printer for highly demanding dye sub users¹



Enjoy reliable, unattended printing

- Print an entire shift unattended or overnight with the largest media rolls² and large ink supplies.
- Get reliable image quality with 2xCMYK printheads and automatic compensation of up to 30% nozzles out.¹
- Reduce telescoping and manual media adjustments with the tension sensing winder and media advance sensor.
- Rely on color consistency from printer to printer.²

Optimize your uptime with easy maintenance

- Reduce downtime and service costs. For the first time, you can replace the printheads yourself.²
- Stay ready to print outstanding quality, and reduce manual interventions, with automatic maintenance.
- Simplify and control your print operations and maximize uptime with HP Service and HP PrintOS.

Perfect for fleet environments

- Double your unattended printing capacity without increasing your production space.²
- Efficiently manage your fleet, and remotely monitor printer status and ink and substrate use, with HP PrintOS.
- Easily observe the status of your printer—at a glance and from afar—with the highly visible beacon.

For more information, please visit <http://www.hp.com/go/stitchs500>

This printer is intended to work only with cartridges that have a new or reused HP chip, and it uses dynamic security measures to block cartridges using a non-HP chip. Periodic firmware updates will maintain the effectiveness of these measures and block cartridges that previously worked. A reused HP chip enables the use of reused, remanufactured, and refilled cartridges. More at: <http://www.hp.com/learn/ds>

¹ Reliable image quality enabled with 2xCMYK printheads and automatic compensation of up to 30% nozzles out based on internal HP testing, July 2020. Unattended printing enabled by large media rolls and large ink supplies.
² Compared to alternative 64-inch dye-sublimation based textile printers available as of June, 2020. Largest rolls up to 121 lb (55 kg). The HP Stitch S Printer series provides HP SmartColor tools and a built-in spectrophotometer for color consistency. Front media loading saves 50% floor space.

Technical specifications

Print	
Printing modes	1185 ft ² /hr - Max Speed (1-pass) 665 ft ² /hr - Production Fast (2-pass) 460 ft ² /hr - Production Quality (3-pass) 365 ft ² /hr - Quality (4-pass) 235 ft ² /hr - High Quality (6-pass)
Print resolution	Up to 1200 x 1200 dpi
Ink types	HP Dye Sub Inks
Ink cartridges	4 (cyan, magenta, yellow, black)
Cartridge size	3 L, 775 ml
Printheads	8 HP Thermal Inkjet (4 cyan/black, 4 magenta/yellow)
Long-term print-to-print repeatability	Average ≤ 1 dE2000, 95% of colors ≤ 1.5 dE2000 ¹
Media	
Handling	Roll feed, take-up reel, automatic cutter (for transfer media)
Media types	Sublimation transfer papers, sublimation polyester fabrics, sublimation film
Roll size	23 to 64-in rolls
Roll weight	121 lb
Roll diameter	9.8 in
Thickness	Up to 19.7 mil
Applications	
	Interior decoration; Fashion; Sportswear; Soft signage
Connectivity	
Interfaces	Gigabit Ethernet (1000Base-T)
Dimensions (w x d x h)	
Printer	101 x 32 x 56 in
Shipping	108 x 42 x 67 in
Weight	
Printer	518 lb
Shipping	950 lb
What's in the box	
	HP Stitch S500 64-in Printer; Printer stand; Printheads; Maintenance cartridge; Ink collector; Take-up reel; Loading accessory; 2-in adapter kit; Beacon light; Edge holders; User maintenance kit; Quick reference guide; Setup poster; Power cords; Waste bottle; Lockout drawer; HP Ergosoft RIP Color Edition
Environmental ranges	
Operating temperature	59 to 86°F
Operating humidity	20 to 80% RH (non-condensing) ²
Acoustics	
Sound pressure	55 dB(A) (operating), 38 dB(A) (idle), <16 dB(A) (sleep)
Sound power	7.3 B(A) (operating), 5.6 B(A) (idle), <3.5 B(A) (sleep)
Power	
Consumption	1 kW (printing); 80 W (ready); < 2 W (sleep)
Requirements	Input voltage (auto ranging) 200-240 V ($\pm 10\%$) two wires and PE; 50/60 Hz (± 3 Hz); one power cord; 13 A max. Not dual voltage, power supply varies by part number with # Option code identifier.
Certification	
Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC); Ukraine (UA); Argentina (IRAM)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KCC)
Environmental	ENERGY STAR®; WEEE; EU RoHS; China RoHS; RoHS Korea; RoHS India; RoHS Ukraine; RoHS Turkey; REACH; EPEAT; OSHA; CE marking compliant
Warranty	
	One-year limited hardware warranty

Ordering information

Product	
ZET73A	HP Stitch S500 64-in Printer
Accessories	
5JX30A	HP Stitch S300/S500 Ink Collector
5QG59A	HP Ergosoft Pro RIP Color Edition
5QG72A	HP Stitch S300/S500 User Maintenance Kit
F0M64A	HP Series 300/S500 Edge Holder Kit
T7U74A	HP Series 300/S500 Ink Collector Foam Kit
Original HP printing supplies	
2LL53A	HP 624 775-ml Black Stitch Dye Sublimation Ink Cartridge
2LL54A	HP 624 775-ml Cyan Stitch Dye Sublimation Ink Cartridge
2LL55A	HP 624 775-ml Magenta Stitch Dye Sublimation Ink Cartridge
2LL56A	HP 624 775-ml Yellow Stitch Dye Sublimation Ink Cartridge
2LL57A	HP 636 3-liter Black Stitch Dye Sublimation Ink Cartridge
2LL58A	HP 636 3-liter Cyan Stitch Dye Sublimation Ink Cartridge
2LL59A	HP 636 3-liter Magenta Stitch Dye Sublimation Ink Cartridge
2LL60A	HP 636 3-liter Yellow Stitch Dye Sublimation Ink Cartridge
2LL61A	HP 614 Stitch Dye Sublimation Printhead Cleaning Kit
2LL62A	HP 614 Cyan and Black Stitch Dye Sublimation Printhead
2LL63A	HP 614 Magenta and Yellow Stitch Dye Sublimation Printhead

ECO highlights

- ECO PASSPORT certified dye sublimation inks¹
- ENERGY STAR® certified²
- EPEAT® registered as environmentally preferable product³
- Free, convenient HP ink cartridge and printhead recycling through the HP Planet Partners program⁴

Please recycle large-format printing hardware and 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 ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.

³ EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country.

⁴ Program availability varies. Please check <http://www.hp.com/recycle> for details.

¹ The color variation inside a printed job has been measured at 6-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.

² Papers are hygroscopic materials. They can absorb or lose moisture depending on external humidity conditions. A low level of substrate's moisture and external relative humidity is always recommended when printing on paper based materials. Recommended external relative humidity is between 25% to 50%.

