



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 colour consistency from printer to printer.²

Optimise 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 maximise 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 55 kg. The HP Stitch S Printer series provides HP SmartColour tools and a built-in spectrophotometer for colour consistency. Front media loading saves 50% floor space.

Technical specifications

Print

Printing modes	110 m ² /hr - Max Speed (1-pass) 62 m ² /hr - Production Fast (2-pass) 43 m ² /hr - Production Quality (3-pass) 34 m ² /hr - Quality (4-pass) 22 m 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 \leq 1 dE2000, 95% of colours \leq 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	580 to 1625-mm rolls
Roll weight	55 kg
Roll diameter	250 mm
Thickness	Up to 0.5 mm

Applications Interior decoration; Fashion; Sportswear; Soft signage

Connectivity

Interfaces	Gigabit Ethernet (1000Base-T)
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Dimensions (w x d x h)

Printer	2550 x 810 x 1420 mm
Shipping	2740 x 1070 x 1700 mm

Weight

Printer	235 kg
Shipping	431 kg

What's in the box

HP Stitch S500 64-in Printer, printer stand, printheads, maintenance cartridge, take-up reel, 2-in adaptor kit, beacon light, ink collector, loading accessory, edge holders, user maintenance kit, waste bottle, quick reference guide, setup poster, documentation software, power cords, HP Ergosoft RIP Color Edition

Environmental ranges

Operating temperature	15 to 30°C
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 (\pm 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

Warranty	One-year limited hardware warranty
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Ordering information

Product

2ET73A	HP Stitch S500 64-in Printer
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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 300/500 Edge Holder Kit
T7U74A	HP Series 300/500 Ink Collector Foam Kit

Original HP printing supplies

ZLL53A	HP 624 775-ml Black Stitch Dye Sublimation Ink Cartridge
ZLL54A	HP 624 775-ml Cyan Stitch Dye Sublimation Ink Cartridge
ZLL55A	HP 624 775-ml Magenta Stitch Dye Sublimation Ink Cartridge
ZLL56A	HP 624 775-ml Yellow Stitch Dye Sublimation Ink Cartridge
ZLL57A	HP 636 3-liter Black Stitch Dye Sublimation Ink Cartridge
ZLL58A	HP 636 3-liter Cyan Stitch Dye Sublimation Ink Cartridge
ZLL59A	HP 636 3-liter Magenta Stitch Dye Sublimation Ink Cartridge
ZLL60A	HP 636 3-liter Yellow Stitch Dye Sublimation Ink Cartridge
ZLL61A	HP 614 Stitch Dye Sublimation Printhead Cleaning Kit
ZLL62A	HP 614 Cyan and Black Stitch Dye Sublimation Printhead
ZLL63A	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, colourants, 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 colour 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 colour difference (95% of colours) \leq 1.5 dE2000. Reflective measurements on a 943 colour target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colours 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%.

