



HP Stitch S500 Printer

The most efficient printer for highly demanding dye sub users¹



Colour you can rely on with HP SmartColor

- Confidently distribute jobs across your fleet with best-in-class colour consistency from printer to printer.¹
- Get accurate colours over time, even as environmental conditions change, with the built-in spectrophotometer.
- Automatically detect when a colour is out of gamut and get the closest visual match with PANTONE® emulation.²
- Easily create colour profiles in half the time³, or use finished profiles from our cloud-based library.⁴

Streamline your production

- Run at top speed while producing richly saturated colour, with the symmetrical 2xCMYK printhead configuration.
- Print an entire shift unattended or overnight with the largest media rolls¹ and large ink supplies.
- Stay in control and maximise uptime with real-time fleet management and HP Smart Services.

Reduce your costs and increase your efficiency

- Reduce your media costs and avoid cockling when using lightweight transfer paper with the Drop & Dry system.
- Avoid reprints and media waste with 1200 dpi printheads and the Smart Nozzle Compensation system.
- Save 50% floor space with the first dye-sub printer with front media loading.¹

For more information, please visit <http://www.hp.com/go/stichs500>

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: <http://www.hp.com/go/learnaboutsplies>

¹ Compared to alternative 162.6 cm (64 in) dye-sublimation based textile printers available as of January, 2019. Only the HP Stitch S Printer series provides HP SmartColor tools and a built-in spectrophotometer for a better colour management experience.

² Automatically detects when a PANTONE® colour is out of gamut.

³ Based on internal and third-party testing in January, 2019 evaluating the number of interactions and time required to create a typical colour profile compared to leading 162.6 cm (64 in) dye-sublimation based textile printers available as of January, 2019.

⁴ Find a comprehensive list of all compatible media along with finished colour profiles and printer settings at <http://www.hp.com/go/mediasolutionslocator>.

Technical specifications

Print

Printing modes	110 m ² /hr (1185 ft ² /hr) - Max Speed (1-pass) 62 m ² /hr (665 ft ² /hr) - Production Fast (2-pass) 43 m ² /hr (460 ft ² /hr) - Production Quality (3-pass) 34 m ² /hr (365 ft ² /hr) - Quality (4-pass) 22 m ² /hr (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
Printheads	8 HP Thermal Inkjet (4 cyan/black, 4 magenta/yellow)
Long-term print-to-print repeatability	Average <= 1 dE2000, 95% of colours <= 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 (23 to 64 in rolls)
Roll weight	55 kg (121 lb)
Roll diameter	250 mm (9.8 in)
Thickness	Up to 0.5 mm (19.7 mil)

Applications Interior decoration; Fashion; Sportswear; Soft signage

Connectivity

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

Printer	2560 x 710 x 1420 mm (101 x 28 x 56 in)
Shipping	2750 x 1053 x 1696 mm (108 x 42 x 67 in)

Weight

Printer	226 kg (498 lb)
Shipping	355 kg (782 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

Environmental ranges

Operating temperature	15 to 30°C (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 (±10%) two wires and PE; 50/60 Hz (±3 Hz); One power cord; 13 A max

Certification

Safety	IEC 60950-1+A1+A2 compliant; EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC); Ukraine (UA)
Electromagnetic	Compliant with Class A requirements, including: EU (EMC Directive)
Environmental	ENERGY STAR®; WEEE; EU RoHS; RoHS Ukraine; RoHS Turkey; REACH; EPEAT Bronze; OSHA; CE marking compliant

Warranty One-year limited hardware warranty

Ordering information

Product

2ET73A	HP Stitch S500 64-in Printer
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Accessories

5JX30A	HP Stitch S300/S500 Ink Collector
5QG72A	HP Stitch S300/S500 User Maintenance Kit
5QG59A	HP Ergosoft Pro RIP Color Edition
T7U74A	HP Series 300/500 Ink Collector Foam Kit

Original HP printing supplies

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 recycling⁴

Please recycle large-format printing hardware and printing supplies. Find out how at our website 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) <= 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%.

