HP Stitch S500 Printer



The most efficient printer for highly demanding dye sub users¹



Color you can rely on with HP SmartColor

- Confidently distribute jobs across your fleet with best-in-class color consistency from printer to printer.1
- Get accurate colors over time, even as environmental conditions change, with the builtin spectrophotometer.
- Automatically detect when a color is out of gamut and get the closest visual match with PANTONE® emulation.2
- Easily create color profiles in half the time⁴, or use finished profiles from our cloud-based

Streamline your production

- Run at top speed while producing richly saturated color, 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 maximize uptime with realtime 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
- Save 50% floor space with the first dye-sub printer with front media loading.

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

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/learnaboutsupplies

¹ Compared to alternative 64-inch 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 color

Automatically detects when a PANTONE® color is out of gamut.

³ Find a comprehensive list of all compatible media along with finished color profiles and printer settings at http://www.hp.com/go/mediasolutionslocator.

⁴ Based on internal and third-party testing in January, 2019 evaluating the number of interactions and time required to create a typical color profile compared to leading 64-inch dye-sublimation based textile printers available as of January, 2019.

Technical specifications

Print	
Printing modes	110 m²/hr (1185 ft²/hr) - Max Speed (1-pass) 62 m²/hr (665 ft²/hr) - Production Fast (2-pass) 43 m²/hr (660 ft²/hr) - Production Quality (3-pass) 34 m²/hr (365 ft²/hr) - Quality (4-pass) 22 m²/hr (255 ft²/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	3L
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	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 (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	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 kg)
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; Z-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 range	es
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; USA and Canada (CSA listed)
Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES)
Environmental	ENERGY STAR®; WEEE; REACH; EPEAT; OSHA; CE marking compliant
Warranty	One-year limited hardware warranty

Ordering information

HP Stitch S500 64-in Printer

Product 2ET73A

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/S00 Edge Holder Kit
T7U74A	HP Series 300/S00 Ink Collector Foam Kit

Original HP printing supplies

2LL57A 2LL58A 2LL59A 2LL60A 2LL61A 2LL62A 2LL63A 2LL53A 2LL53A 2LL54A	HP 636 3-liter Black Stitch Dye Sublimation Ink Cartridge HP 636 3-liter Cyan Stitch Dye Sublimation Ink Cartridge HP 636 3-liter Magenta Stitch Dye Sublimation Ink Cartridge HP 636 3-liter Yellow Stitch Dye Sublimation Ink Cartridge HP 614 Stitch Dye Sublimation Printhead Cleaning Kit HP 614 Cyan and Black Stitch Dye Sublimation Printhead HP 614 Magenta and Yellow Stitch Dye Sublimation Printhead HP 624 775-ml Gyan Stitch Dye Sublimation Ink Cartridge HP 624 775-ml Cyan Stitch Dye Sublimation Ink Cartridge HP 624 775-ml Magenta Stitch Dye Sublimation Ink Cartridge
2LL55A 2LL56A	HP 624 775-ml Magenta Stitch Dye Sublimation Ink Cartridge HP 624 775-ml Yellow Stitch Dye Sublimation Ink Cartridge

ECO highlights

- ECO PASSPORT certified dye sublimation inks ¹ ENERGY STAR® certified² EPEAT® registered as environmentally preferable product ³ Free, convenient HP ink cartridge and printhead recycling ⁴

Please recycle large-format printing hardware and printing supplies. Find out how at our website $\mbox{\rm hp.com/ecosolutions}$

¹ Original HP Dye Sublimation Inks for the HP Stitch S Printer series are certified ECO Original HP Dye Sublimation Inks for the HP Stitch 5 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.
 ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency.
 EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.pepeat.net for registration status by country.
 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 liluminant DSO, 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 explanation process variability.

Intesting the first installation move may yeld uniterent results, results are dependent on sublimation process variability.

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%.







