HP Stitch S500 Printer

The most efficient printer for highly demanding dye sub users[1]

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 built-in 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 time[4], or use finished profiles from our cloud-based library.[3]

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 rolls[1] and large ink supplies.
- Stay in control and maximize 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/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

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 (460 ft²/hr)- Production Quality (3-pass) 34 m²/hr (365 ft²/hr) - Quality (4-pass) 22 m²/hr (235 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	3 L
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; 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	15 to 30ºC (59 to 86ºF)
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

Product

2ET73A	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 300/500 Edge Holder Kit
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
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

ECO highlights

- ECO PASSPORT certified dye sublimation inks[1]
- ENERGY STAR® certified[2]
- 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 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.

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[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%.