HP Stitch S500 Printer

The most efficient printer for highly demanding dye sub users

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 time³, or use finished profiles from our cloud-based library.⁴

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 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

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 management experience.
² Automatically detects when a PANTONE® color is out of gamut.
³ Available as of January, 2019.
⁴ Find a comprehensive list of all compatible media along with finished color profiles and printer settings at http://www.hp.com/go/mediasolutionlocator.
⁵ 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 (465 ft²/hr) - Production Quality (5-pass)
- 34 m²/hr (365 ft²/hr) - Quality 4-pass
- 22 m²/hr (235 ft²/hr) - High Quality 8-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
- Print heads: 8 HP Thermal Inkjet (4 cyan/black, 4 magenta/yellow)
- Long-term print-to-print color variability: Average <= 1.5 \(\Delta E2000\), 95% of colors <= 1.5 \(\Delta E2000\)

Media

- Handling: Roll fed, 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 lb)
  - Shipping 355 kg (782 lb)

What’s in the box

- Setup poster; Power cords; Waste bottle; Lockout drawer; HP Ergosoft RIP Color Edition
- Loading accessory; 2-in adapter kit; Beacon light; Edge holders; User maintenance kit; Quick reference guide;

Environmental ranges

- Operating temperature: 15 to 30°C (59 to 86°F)
- Operating humidity: 20 to 80% RH (non-condensing)

Acoustics

- Sound pressure: 38 dB(A) (operating), 16 dB(A) (sleep)
- Sound power: 7.3 B(A) (operating), 5.6 B(A) (sleep)

Power

- Consumption: 1 kW (printing), 40 W (ready), < 2 W (sleep)
- Requirements: Input voltage (auto ranging) 230-240 V (10%); two wires and PE, 50/60 Hz (1.3 Hz); one power cord; 13 A max

Certification

- Safety: IEC 60601-1; A1-A2 compliant; USA and Canada (CSA-listed)
- Electromagnetic: Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES-003)
- Environmental: ENERGY STAR®, WEEE, REACH, EPEAT®; CE marking compliant
- Warranty: One-year limited hardware warranty

Ordering information

Product

- ZET71A HP Stitch S500 64-in Printer

Accessories

- 2LL63A HP Stitch S300/S500 Ink Collector
- 2LL62A HP Ergolink for RIP Color Edition
- 2LL61A HP Stitch S300/S500 User Maintenance Kit
- FPM44A HP Series 300/500 Edge Holder Kit
- 5JX50A HP Series 300/500 Ink Collector Foam Kit

Original HP printing supplies

- 2LL57A HP 636 3-liter Black Stitch Dye Sublimation Ink Cartridge
- 2LL56A HP 636 3-liter Cyan Stitch Dye Sublimation Ink Cartridge
- 2LL55A HP 636 3-liter Magenta Stitch Dye Sublimation Ink Cartridge
- 2LL54A HP 636 3-liter Yellow Stitch Dye Sublimation Ink Cartridge
- 2LL53A HP 614 Cyan and Black Stitch Dye Sublimation Printhead
- 2LL52A HP 614 Magenta and Yellow Stitch Dye Sublimation Printhead
- 2LL51A HP 624 775-m Black Stitch Dye Sublimation Ink Cartridge
- 2LL50A HP 624 775-m Cyan Stitch Dye Sublimation Ink Cartridge
- 2LL49A HP 624 775-m Magenta Stitch Dye Sublimation Ink Cartridge
- 2LL48A HP 624 775-m Yellow Stitch Dye Sublimation Ink Cartridge

ECO highlights

- ECO PASSPORT certified dye sublimation inks
- ENERGY STAR® certified dye sublimation inks

Please recycle large format printing hardware and printing supplies. Find out how at our website hp.com/environment.

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.

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