



HP SCITEX FB500 INDUSTRIAL PRINTER



Speed up the delivery of orders with a printer that lets you print and load media simultaneously. Target new applications with quality results on virtually any rigid and flexible media.⁽¹⁾ Rely on a dependable, robust device that fits your workspace.



TURN ORDERS AROUND FAST WITH AN EFFICIENT WORKFLOW

- Deliver jobs quickly with an efficient workflow that lets you load, print, and collect media simultaneously.
- Load up to 4 sheets of media fast with the help of automated features. No masking is required.
- Reduce interruptions—no daily printhead maintenance;⁽²⁾ remote monitoring with the HP Embedded Web Server.
- Choose the right speed and quality to meet each customer requirement.

A PERFECT FIT FOR YOUR BUSINESS AND SHOP SPACE

- Print on virtually any rigid or flexible substrate⁽¹⁾ from a single device.
- Optimize your print shop space with folding tables that store easily when the printer is not in use.
- Rely on a robust, reliable design—including sturdy media advance system, onboard camera, and HP Print Care.
- The HP Scitex FB500 Industrial Printer makes it easier than ever to use white ink.⁽³⁾

OFFER NEW APPLICATIONS AND GROW YOUR BUSINESS

- Wow your clients with incredible image quality—up to 1200 x 600 optimized dpi—and outdoor display permanence.
- Show clients what's possible. Do more with white ink,⁽³⁾ double-sided prints, matte/gloss, and full bleeds.
- Do more—print on virtually any rigid or flexible media,⁽¹⁾ with good ink adhesion.
- Say yes to just about any request—even when asked to print on thick, heavy, and long⁽⁴⁾ materials.

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PRINTER VIEW WITH STANDARD TABLES



IMPROVE YOUR RESPONSE TIME, EXECUTE TASKS IN PARALLEL

Load, print, and collect media simultaneously in high-volume production environments. When printing many copies, the automatic media alignment bar moves down, so you can load the next set of boards. When the first set is done, the printer moves on to the next.

HP SCITEX FB500 WORKFLOW



COMPETITOR'S WORKFLOW



1. LOADING MEDIA IS FAST AND EASY, NO MASKING IS REQUIRED



An automatic alignment bar helps you quickly position media, the printer measures its thickness, and an onboard camera detects the position of loaded media.⁵ Print up to 4 sheets at once.

2. MINIMIZE INTERRUPTIONS



The printer's automated service station maintains printhead health, eliminating the need for daily maintenance. Enjoy long runs with 3-liter ink supplies.⁶ Check the status of the printer remotely thanks to the HP Embedded Web Server.

3. GIVE YOUR CUSTOMERS THE QUALITY THEY NEED

And at the right price. This printer lets you choose the right combination of speed and quality. Print at various speeds up to 37 m²/hr (398 ft²/hr) for prints that will be viewed from a long distance.⁷





4. ENRICH YOUR PRINTS, SAY YES TO JUST ABOUT ANY REQUEST



Propose new possibilities to customers by showing them how to enrich their prints. Take advantage of white ink for underflood, overflow, and spot color placement.⁽³⁾ Enrich photos with matte or gloss finishes. Offer double-sided and full bleed printing. Print directly on virtually any rigid or flexible material⁽¹⁾—even on corrugated plastic with good ink adhesion. Outdoor prints achieve display permanence of 2-3 years unlaminated on a range of rigid materials.⁽⁸⁾

6. MANAGE YOUR ENTIRE PRINT WORKFLOW WITH ONE DEVICE, ONE INVESTMENT



Take advantage of the HP Scitex FB500 Industrial Printer, which enables you to provide customers more rigid and flexible application offerings⁽¹⁾—all from a single device. Manage your entire print workflow with one device, one user interface, and one investment.

5. FIT THIS PRINTER EASILY INTO YOUR SHOP



Store folding tables when the printer is not in use and preserve valuable shop space. No external air compressor is required. And the printing area is fully enclosed, reducing risks related to UV light or moving parts.

7. RELY ON A ROBUST, RELIABLE DESIGN



A belt-driven system and a high-resolution encoder ensure precise media flow. An onboard camera detects, and the printer adjusts for misfiring nozzles—for consistent results.⁽⁹⁾ HP Scitex Print Care maintenance assistance helps maximize uptime. This printer provides an easy, convenient white ink option.⁽³⁾ The process of adding or removing white ink is a simple one. And a unique HP White Ink Homogenizer maintains the stability of the white ink, preventing pigment sedimentation.

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TECHNICAL SPECIFICATIONS

Print	
Print modes	Express: Up to 37 m ² /hr (398 ft ² /hr) Outdoor Signage: Up to 29.6 m ² /hr (319 ft ² /hr) Indoor Signage: Up to 16.4 m ² /hr (177 ft ² /hr) Photo: Up to 8.6 m ² /hr (93 ft ² /hr)
White ink printing Overcoat or undercoat ³	Outdoor Signage Plus: Up to 7.9 m ² /hr (85 ft ² /hr) Indoor Signage: Up to 7 m ² /hr (75 ft ² /hr) Photo: Up to 3.6 m ² /h (39 ft ² /hr)
Print resolution	Up to 1200 x 600 dpi
Technology	Piezoelectric inkjet, UV-curable inks
Ink types	UV-curable, pigment-based ink
Ink cartridge colors	Cyan, magenta, yellow, black, light cyan, light magenta, white (optional)
Ink cartridge size	3 liter (cyan, magenta, yellow, black, light cyan, light magenta) / 2 liter (white)

Media	
Handling	Flatbed, sheet feed, and roll feed with optional HP Scitex FB500 Roll-to-Roll Upgrade Kit. Vacuum belt media drive for easy loading and accurate media advance
Rigid media support	Standard input and output tables support rigid materials up to 122 x 163 cm (48 x 64 in). The optional HP Scitex FB500 Extension Tables support rigid materials up to 305 x 163 cm (120 X 64 in). Maximum sheet weight 68kg/150 lb
Roll-fed media support	Optional HP Scitex FB500 Roll-to-Roll Upgrade Kit supports flexible media up to 163 cm (64 in) wide, with a roll diameter of up to 23 cm (9 in), up to 81 kg (180 lb) in weight
Thickness	Up to 64 mm (2.5 in)

Connectivity	
Interfaces (standard)	Fast Ethernet (100 Base-T) with TCP/IP protocol and DHCP support

UV energy source	
	Dual shuttered UV lamps. User-selectable control of three lamp power levels.

Dimensions (w x d x h)	
Printer	325 x 142 x 152 cm (128 x 56 x 60 in)
Printer with standard tables	325 x 282 x 152 cm (128 x 111 x 60 in)
Shipping	363 x 170 x 183 cm (143 x 67 x 72 in)

Weight	
Printer	719 kg (1586 lb)
Printer with tables	789 kg (1739 lb)
Shipping	1050 kg (2315 lb)

What's in the box	
	HP Scitex FB500 Industrial Printer; standard input and output tables; HP webcam with 5 m (16 ft) USB cable; cleaning kit; user documentation; site preparation guide; power cord; auxiliary power supply; installation kit

Operating conditions	
Temperature	20 to 30° C (68 to 85° F)
Relative Humidity	Relative Humidity: 20-80%, non-condensing (with synthetic media 40% min recommended to avoid static electricity; with paper-based media 60% max recommended to avoid buckling)

Power	
Maximum	2500 watts
Printing	1219 watts
Requirements	Input voltage: 200 to 240 VAC, single-phase, 50/60 Hz, 12 A max

Certification	
Safety	CE, UL, c-UL
Electromagnetic	CISPR-A, FCC-A, MIC
Environmental	RoHS, WEEE

Warranty	
	One-year limited warranty

ORDERING INFORMATION

Product	
CQ114A	HP Scitex FB500 Industrial Printer
Accessories	
CQ118A	HP Scitex FB500/700 White Ink Upgrade Kit
CQ116A	HP Scitex FB500 Roll-to-Roll Upgrade Kit
CQ117A	HP Scitex FB500 Extension Tables
CQ121A	HP Scitex FB500/700/950 Printer Cleaning Kit
CH231A	HP UV Replacement Bulb
CQ755A	HP Scitex Caldera RIP Software
CQ756A	HP Scitex Onyx RIP Software

Original HP ink cartridges	
CH216A	HP FB250 3-liter Cyan Scitex Ink
CH217A	HP FB250 3-liter Magenta Scitex Ink
CH218A	HP FB250 3-liter Yellow Scitex Ink
CH219A	HP FB250 3-liter Black Scitex Ink
CH220A	HP FB250 3-liter Light Cyan Scitex Ink
CH221A	HP FB250 3-liter Light Magenta Scitex Ink
CQ123A	HP FB251 2-liter White Scitex Ink Cartridge

Original HP maintenance fluid	
CH122A	HP 1-liter UV Printhead Flush

Applications	
	POP/POS
	Exterior signage
	Exhibition, event graphics
	Interior decoration
	Directional rigid signage
	Outdoor furniture
	Short-run packaging
	3D displays

Original HP printing materials ⁽¹⁰⁾	
Banners	HP HDPE Reinforced Banner— ⁽¹¹⁾ HP Double-sided HDPE Reinforced Banner— ⁽¹¹⁾ HP Durable Frontlit Scrim Banner
Self-adhesive materials	HP Permanent Gloss Adhesive Vinyl HP Permanent Matte Adhesive Vinyl
Films	HP Premium Backlit Film
Polyester fabrics	HP Heavy Textile Banner— ⁽¹¹⁾ HP Light Textile Display Banner— ⁽¹¹⁾
Papers/photographic papers	HP PVC-free Wall Paper—FSC [®] certified HP White Satin Poster Paper— ⁽¹¹⁾ HP Photo-realistic Poster Paper— ⁽¹¹⁾ HP Blue Back Billboard Paper
Specialty materials	HP DuPont™ Tyvek [®] Banner— ⁽¹¹⁾ HP Satin Canvas

For more HP large-format printing materials and sizes please visit us online at:
www.hp.com/go/LFPrintingMaterials



FSC[®] certified HP printing materials carry the Forest Stewardship Council (FSC) Mixed Sources label, signifying that these media support the development of responsible forest management worldwide.

- Flexible media printing with an optional HP Scitex FB500 Roll-to-Roll Upgrade Kit. Printing performance may vary depending on media.
- The printer employs fully automatic printhead testing and maintenance systems.
- Use of white ink requires a separate purchase of the HP Scitex FB500 White Ink Upgrade Kit.
- HP Scitex FB500 Extension Tables are required for long materials.
- For light colored media.
- With the exception of the optional HP FB251 2-liter White Scitex Ink Cartridge.
- This speed reflects Express print mode, the highest print speed for outdoor signage to be viewed from very long distances.
- Image permanence estimate by HP Image Permanence Lab. Display permanence tested August 2010 according to SAE J2527 using HP FB250 and FB251 Scitex Inks on a range of rigid media with up to 4 years display permanence achieved using color inks on HP Permanent Gloss Adhesive Vinyl; in a vertical display orientation in simulated outdoor display conditions for select high and low climates, including exposure to direct sunlight and water; performance varies based on the color/white ink overlay combination; in addition performance may vary as environmental conditions change. For the other commercially-available media tested: actual results may vary, this information is provided for reference purposes only. For more information, see www.hp.com/go/supplies/printpermanence.
- The onboard camera detects misfiring nozzles. The printer then uses algorithms to compensate by substituting in working ones, in order to maintain quality without reducing speed. Not all misfiring nozzles can be compensated.
- Requires roll-to-roll upgrade kit.
- HP offers the HP Large-format Media take-back program in North America and Europe, through which most HP recyclable media can be returned, availability varies. Some recyclable papers can be recycled through commonly available recycling programs. For details visit www.hp.com/recycle. Aside from this program, recycling opportunities for these products are currently only available in limited areas. Customers should consult local recycling resources for recycling these products.

TO LEARN MORE, VISIT WWW.HP.COM/GO/SCITEXFB500

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