

# HP Scitex FB500 Industrial Printer



Speed up your turnaround on rigid, flexible media<sup>1</sup>



## 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;<sup>2</sup> remote monitoring with the HP Embedded Web Server
- Choose the right speed and quality to meet each customer requirement

## 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,<sup>3</sup> double-sided prints, matte/gloss, and full bleeds
- Print directly on virtually any rigid or flexible material<sup>1</sup>—even on corrugated plastic with good ink adhesion
- Say yes to just about any request—even when asked to print on thick, heavy, and long<sup>4</sup> materials

## A perfect fit for your business and shop space

- Optimize your print shop space with folding tables that store easily when the printer is not in use
- Rely on a robust 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<sup>3</sup>
- The enclosed design of the printer helps provide a safer work environment for the operator

**For more information, please visit:**  
[hp.com/go/ScitexFB500](http://hp.com/go/ScitexFB500)

<sup>1</sup> Flexible media printing with an optional HP Scitex FB500 Roll-to-Roll Upgrade Kit. Printing performance may vary depending on media.

<sup>2</sup> The printer employs fully automatic printhead testing and maintenance systems.

<sup>3</sup> Use of white ink requires a separate purchase of the HP Scitex FB500/FB700 White Ink Upgrade Kit.

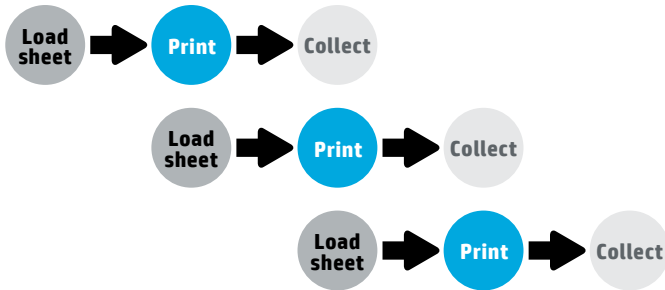
<sup>4</sup> HP Scitex FB500 Extension Tables are required for long materials.



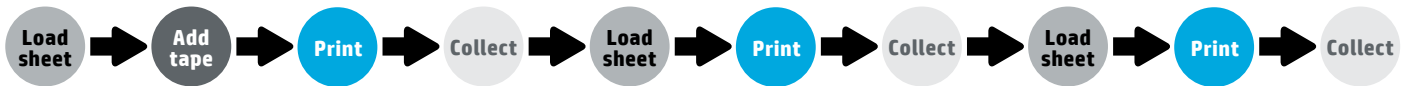
## Improve your response time, execute tasks in parallel

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



#### Loading media is fast and easy, no masking is required

- Use the automatic alignment bar and pins to load up to 4 sheets at the same time—no masking required
- Print a different image on each sheet with the multi-image “N-up” feature

#### Minimize interruptions

- The HP Scitex FB500 automated service station maintains printhead health without daily manual maintenance. The 3-liter ink supplies<sup>5</sup> allow you to print long runs without stopping. Control the HP Scitex FB500 Industrial Printer remotely thanks to the HP Embedded Web Server

#### Fits easily in your shop, minimum space required

- The compact design allows the HP Scitex FB500 printer to fit in smaller shops without the need of an external air compressor. In addition, its foldable tables allow you to print on large media, saving space when not used

#### Rely on the HP Scitex FB500 printer's robust design

- A belt-driven system and high-resolution encoder ensure precise media flow. The printer adjusts for misfiring nozzles—for consistent results.<sup>6</sup> HP Scitex Print Care maintenance assistance helps maximize uptime. And the fully-enclosed printing area reduces the risk of danger to the operator due to UV light or moving parts exposure

<sup>5</sup> With the exception of the optional HP FB251 2-liter White Scitex Ink Cartridge.

<sup>6</sup> 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.



## Discover endless application possibilities

Produce high-value applications and create new profit potential for your business with the endless versatility of the HP Scitex FB500/FB700 Industrial Printers.

- Print on rolled flexible materials with the Roll-to-Roll Upgrade Kit to create huge and stunning outdoor applications
- Use the white ink in-line system to print on virtually any transparent, translucent, or colored materials
- Create eye-catching metallized effects with the certified Color-Logic Solution<sup>7</sup>
- Print on extremely thick materials—up to 6.4 cm (2.5 inches)—and create unique applications such as doors



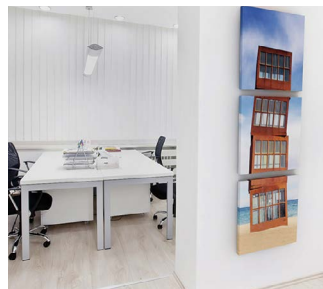
### Retail POP/POS

- Create hundreds of different unique retail applications with your HP Scitex FB500 Industrial Printer and satisfy any of your customer needs, providing them FSDU, window and floor graphics, posters, displays, and standees



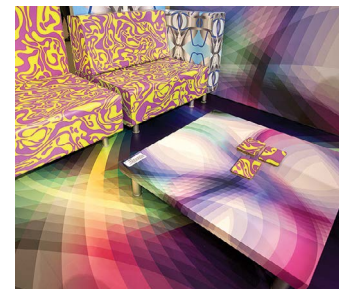
### Outdoor signage

- Take advantage of HP UV-curable ink technology, providing outdoor applications such as real estate and directional signs, hoardings, billboards, and more—achieving a display permanence of 2 to 3 years without lamination on a wide range of materials<sup>8</sup>



### Fine art and decoration

- Dive into the trendy market of decoration with your HP Scitex FB500 printer. Print an endless range of high-value applications such as doors, mirrors, stunning textured foam board pictures, or even eye-catching metallized<sup>9</sup> wallcoverings. Create your own personalized wallcoverings with the easy-to-use, cloud-based<sup>10</sup> HP WallArt Solution. To sign up for free, visit [hpwallart.com](http://hpwallart.com)



### Exhibition and events

- Start printing now on honeycomb board, offering to your customer personalized furniture for their events among other applications such as double-sided banners, truss structures, rigid and flexible backdrops, and more

<sup>7</sup> Requires a separate purchase of the HP Scitex FB500/FB700 White Ink Upgrade Kit.

<sup>8</sup> 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 nominal 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 [globalBMG.com/hp](http://globalBMG.com/hp).

<sup>9</sup> Metallized effects created with the Color-Logic plug-in. Requires a separate purchase of the HP Scitex FB500/FB700 White Ink Upgrade Kit.

<sup>10</sup> Requires an HP WallArt account, Internet connection, and connected Internet-capable device. For more information, see [hpwallart.com](http://hpwallart.com).

## Technical specifications

<b>Print modes</b>	Express: Up to 37 m <sup>2</sup> /hr (398 ft <sup>2</sup> /hr)
	Outdoor Signage: Up to 29.6 m <sup>2</sup> /hr (319 ft <sup>2</sup> /hr)
	Indoor Signage: Up to 16.4 m <sup>2</sup> /hr (177 ft <sup>2</sup> /hr)
	Photo: Up to 8.6 m <sup>2</sup> /hr (93 ft <sup>2</sup> /hr)
<b>White ink printing overcoat or undercoat<sup>11</sup></b>	Outdoor Signage Plus: Up to 7.9 m <sup>2</sup> /hr (85 ft <sup>2</sup> /hr)
	Indoor Signage: Up to 7 m <sup>2</sup> /hr (75 ft <sup>2</sup> /hr)
	Photo: Up to 3.6 m <sup>2</sup> /h (39 ft <sup>2</sup> /hr)
<b>Print resolution</b>	Up to 1200 x 600 dpi
<b>Technology</b>	Piezoelectric inkjet, UV-curable inks
<b>Ink types</b>	UV-curable, pigment-based ink
<b>Ink cartridge colors</b>	Cyan, magenta, yellow, black, light cyan, light magenta, white (optional)
<b>Ink cartridge size</b>	3 liter (cyan, magenta, yellow, black, light cyan, light magenta) / 2 liter (white)
<b>Media</b>	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)
<b>Connectivity</b>	Interfaces Fast Ethernet (100 Base-T) with TCP/IP protocol (standard) and DHCP support
<b>UV energy source</b>	Dual shuttered UV lamps. Independent user-selectable control of shutter aperture and of three lamp power levels
<b>Dimensions (w x d x h) Printer</b>	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)
<b>Weight</b>	Printer: 719 kg (1586 lb)
	Printer with tables: 789 kg (1739 lb)
	Shipping: 1050 kg (2315 lb)
<b>What's in the box</b>	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
<b>Operating conditions</b>	Temperature: 20 to 30°C (68 to 85°F)
	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)
<b>Power</b>	Maximum 2500 watts. Printing 1219 watts Requirements Input voltage: 200 to 240 VAC, single-phase, 50/60 Hz, 12 A max
<b>Certification</b>	Safety CE, UL, c-UL
	Electromagnetic CISPR-A, FCC-A, MIC
	Environmental RoHS, WEEE
<b>Warranty</b>	One-year limited warranty

## Ordering information

<b>Product</b>	CQ114A	HP Scitex FB500 Industrial Printer
<b>Accessories</b>	CQ118A	HP Scitex FB500/FB700 White Ink Upgrade Kit
	CQ116A	HP Scitex FB500 Roll-to-Roll Upgrade Kit
	CQ117A	HP Scitex FB500 Extension Tables
	CQ121A	HP Scitex FB500/FB700/FB950 Printer Cleaning Kit
	CH231A	HP UV Replacement Bulb
	CQ755A	HP Scitex Caldera RIP Software
	CQ756A	HP Scitex Onyx RIP Software
<b>Original HP ink cartridges</b>	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
<b>Original HP maintenance fluid</b>	CH122A	HP 1-liter UV Printhead Flush

<sup>11</sup> Use of white ink requires a separate purchase of the HP Scitex FB500/FB700 White Ink Upgrade Kit.

### Our solution partners:

