

# HP Scitex FB7600 Industrial Press

Grow your business



Achieve quick ROI with more digital printing opportunities. The ability to print on a wide variety of media up to 25 mm thick expands your business. Workflow enhancements increase productivity and reduce effort. HP Scitex Print Care maximizes uptime.

## Do more with digital

- Get great results on POP. Six HP UV-curable color inks provide excellent dot gain and color gamut, are ISO12647-2 certified<sup>1)</sup>, and comply with contract proofing standards according to ISO12647-7<sup>2)</sup>. Measured ink coverage on 100% POP files is up to 124 m<sup>2</sup>/l<sup>3)</sup>.
- Achieve maximum throughput—and high margins—on plastics<sup>4)</sup>.
- New HP FB225 Scitex color inks provide cross-hatch level<sup>5)</sup> adhesion and enable higher productivity and reduced labor and material costs by eliminating pre-treatment.
- Enjoy simultaneous loading/unloading with the <sup>3</sup>/<sub>4</sub>-automated media handling system. HP's patented 6-vacuum-zone system reduces the need for masking exposed areas. Print flexible, rigid applications—with great results on corrugated media—and save set-up time.

## Profit more from the first run

- Experience higher throughput and save time and resources. The HP Scitex FB7600 Industrial Press lets you print up to 95 full sheets an hour with production speed, and up to 55 full sheets an hour with POP quality.

- Enable simultaneous loading of up to 4 sheets with the optional multi-sheet loading table. The ability to handle smaller sheets reduces post-print cutting and handling costs. Alignment is easier with the choice of either left or right registration.
- Prepare your jobs automatically with the hot folders and job queue. Hot folders enable you to easily drop files for print without the need to pull them one by one into the press. With the queue, all print-ready jobs, using same media type, print in order automatically.
- Print much faster than before and produce high-quality results on backlit files with enhanced Pantone colors hit using Saturation Control mode. Simply adjust the saturation from the GUI up to 200% with no reduction on throughput—and without going back to the RIP.

To learn more, visit [www.hp.com/go/ScitexFB7600](http://www.hp.com/go/ScitexFB7600)

<sup>1)</sup> At POP17/34 modes.

<sup>2)</sup> Ugra ISO12647-2 certification achieved by Christinger Partner AG for HP FB225 Scitex color inks and the HP Scitex FB7600 Industrial Press.

<sup>3)</sup> Printed in POP34 gloss mode on Kappa Foam Board, validated with the Ugra/Fogra media wedge V3 and IDEAlliance Digital Control Strip 2009.

<sup>4)</sup> Plastics media span is narrower when using HP FB225 White Scitex Ink.

<sup>5)</sup> According to D3359-02 ASTM Standard Test Methods for Measuring Adhesion by Tape.

# HP Scitex FB7600 Industrial Press



## Maximize your uptime

- Expand your digital capabilities with the peace of mind in knowing that the HP Scitex FB7600 Industrial Press is a total HP technology offering. It includes HP-manufactured printheads and HP Scitex inks, combined with HP partner solutions you can count on. Includes an uptime kit for fast recovery, maximizing uptime.
- Get more from your investment with this scalable, modular press designed to grow as you expand your digital capabilities. HP offers upgrade packages with evolving features. For example, 2 extra printhead beams and ink slots enable a white ink upgrade<sup>1</sup>.
- Anticipate technical issues before they cause downtime. HP Scitex Print Care offers a range of tools and services such as troubleshooting tools, maintenance wizards, and in-line automatic printhead calibration. Achieve quick resolution at CallMe@HP<sup>2</sup>.

## Improve the environmental profile of your printing

- The short print run capabilities inherent to digital on-demand production better enable the printing of just what is needed, when it is needed—potentially reducing the volume of wasted prints and reducing the carbon footprint of your printing<sup>3</sup>.
- Put UV-curable inks to work for you in generating new business opportunities. A reduced odor<sup>4</sup> enables a wide range of indoor wide format graphics.
- Deliver indoor wide format graphics that make an impression—reassure with HP FB225 Scitex color inks approved according to indoor health-related environmental criteria—GREENGUARD Children & Schools Certified<sup>SM</sup> inks also meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products<sup>5</sup>.

<sup>1</sup> Use of white ink with the HP Scitex FB7600 Industrial Press requires the HP Scitex FB7500/FB7600 White Ink Kit.

<sup>2</sup> The remote HP technician may work directly with your operator, or with your HP Authorized Channel Partner.

<sup>3</sup> An independently conducted and reviewed study (Sylvatica, 2010) indicated that printing point-of-sale signage on the HP Scitex FB7500 Industrial Press (upon which the HP Scitex FB7600 Industrial Press is based) has a lower carbon footprint than producing the same signage with an equivalent screen printer for print-run lengths within which some 90% (Who Buys Wide Format Study, InfoTrends, April 2009) of signage print jobs fall.

<sup>4</sup> Cured HP FB225 Scitex color inks have reduced odor compared to HP FB221 Scitex Inks, except when HP FB225 Scitex color inks are used together with HP FB225 White Scitex Ink.

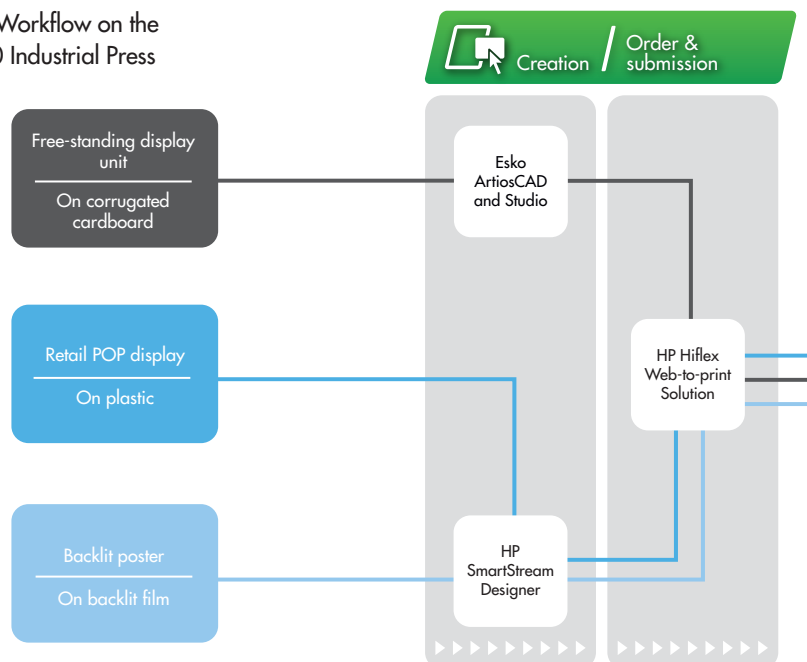
<sup>5</sup> Not applicable when HP FB225 Scitex color inks are used together with HP FB225 White Scitex Ink. The ink system using HP FB225 Scitex color inks is listed in the GREENGUARD Product Guide for signage (see [www.greenguard.org](http://www.greenguard.org)) and meets AgBB criteria for health-related evaluation of VOC emissions of indoor building products (see [www.umweltbundesamt.de/produkte-e/bauprodukte/agbb.htm](http://www.umweltbundesamt.de/produkte-e/bauprodukte/agbb.htm)). Using a GREENGUARD Certified ink system, or an ink system that meets AgBB criteria, does not indicate the end product is Certified or meets the criteria. Test prints submitted at POP17 print mode.

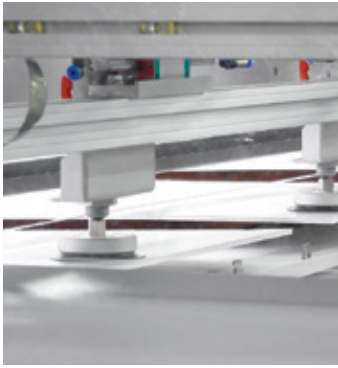
HP and partners provide solutions and production workflow tools that offer greater uptime and flexibility to help print service providers grow profits.

## End-to-end Solutions

- The HP SmartStream Workflow Portfolio provides complete workflow solutions – from job creation to fulfillment – to efficiently drive more pages to press, and help print service providers preserve profitability on short-run, low-revenue jobs by minimizing preparation and finishing time.
- HP Scitex Print Care is the industry-leading set of tools and services that help you anticipate technical issues before they cause downtime and provide quick, accurate diagnosis and resolution. Experience fast, efficient HP service that helps you maximize uptime and reduce costs.

## HP SmartStream Workflow on the HP Scitex FB7600 Industrial Press





### Loading system

The versatile loading mechanism enables the use of a wide range of media. Together with in-line media sensors, a media thickness indicator, and an automatic alignment procedure, the loading system helps minimize the impact of operator error.



### Vacuum table

The six zones vacuum table minimizes the need for masking or taping of exposed areas. The table moves according to the sheet's length, ensuring higher sheets-per-hour rates for smaller sheet sizes. In-line pins ensure accurate registration when loading particularly sensitive or heavy media with the manual mode.



### Press roller

An iron roller provides extra flattening of wavy media.



### Multi-Sheet and Automatic Loading Options

An optional multi-sheet loading table allows simultaneous printing of up to 4 sheets for smaller, pre-cut sheets, and alignment to left or right for efficient double-sided jobs. The Hostert Automatic Loader enables stack-to-stack operations for enhanced productivity.



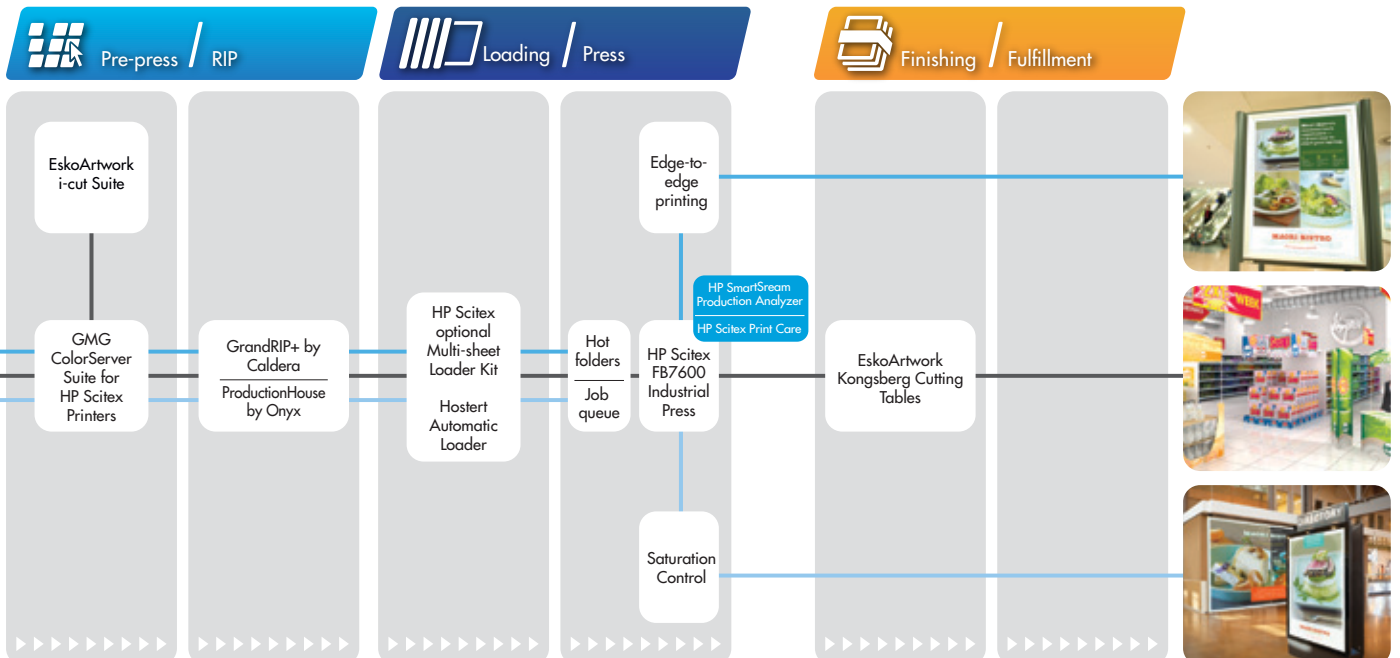
### Unloading lift

Highly accurate stack registration is enabled with the media alignment bar assembled on the unloader lift.



### 312 HP Scitex X2 Printheads

HP Scitex X2 drop-on-demand piezoelectric inkjet printheads equipped with 39,936 nozzles enable the high ink flows required to print high-quality images at high speeds. Access to the printheads is easy. The printing bridge doors open to each side, and the printing bridge is raised. The operator-level replacement process is straightforward.



## Technical specifications

|                          |  |   |                            |
|--------------------------|--|---|----------------------------|
| Productivity             | Up to 500 m <sup>2</sup> /hr (5380 ft <sup>2</sup> /hr) or 95 full-size sheets/hr <sup>1</sup>   |   |                            |
| Resolution               | Up to 600 dpi  |   |                            |
| Media                    | Handling: Sheet-to-sheet ¾-automatic loading, semi-automatic and manual loading and unloading, and up to 4-sheet simultaneous printing with optional Multi-sheet Loader Kit  |   |                            |
|                          | Types: <sup>1,2</sup> Foam PVC, PVC sheets, polystyrene (HIPS), fluted polypropylene, polycarbonate, polyethylene, synthetic paper, SAV, paper, foamboard, corrugated cardboard, <sup>3</sup> compressed cardboard, and others   |   |                            |
|                          | Size: Rigid and flexible sheets up to 165 x 320 cm (65 x 126 in)   |   |                            |
|                          | Thickness: Up to 25 mm, Minimum: 130 gsm   |   |                            |
|                          | Weight for automatic loading: Up to 20 kg (44 lb)  |   |                            |
| Printing                 | Weight for manual loading: Up to 40 kg (88 lb)   |   |                            |
|                          | Technology: Dropon-demand, piezoelectric inkjet  |   |                            |
|                          | Ink types: UV-curable pigmented inks   |   |                            |
|                          | Ink compatibility: HP FB225 Scitex Inks  |   |                            |
|                          | Ink colors: Cyan, magenta, yellow, black, light cyan, light magenta, and optional white  |   |                            |
|                          | Ink coverage: Up to 124 m <sup>2</sup> /L (1335 ft <sup>2</sup> /L) (at POP17/34 modes)  |   |                            |
|                          | Printheads: 312 total (52 per color), additional 104 for white ink   |   |                            |
| Print modes              | Outdoor durability: Up to 2 years UV with abrasion and water resistance <sup>4</sup>   |   |                            |
|                          | Ink drop: 42 pl  |   |                            |
|                          | Printable area: 165 x 320 cm (65 x 126 in)   |   |                            |
|                          | <b>Model<sup>5</sup></b>   | <b>Maximum Productivity</b>                       | <b>Beds/hr<sup>6</sup></b> |
|                          | POP17  | 90 m <sup>2</sup> /hr (967 ft <sup>2</sup> /hr)   | 17                         |
|                          | POP30  | 160 m <sup>2</sup> /hr (1720 ft <sup>2</sup> /hr) | 30                         |
|                          | POP34  | 180 m <sup>2</sup> /hr (1937 ft <sup>2</sup> /hr) | 34                         |
|                          | POP34 Text   | 180 m <sup>2</sup> /hr (1937 ft <sup>2</sup> /hr) | 34                         |
|                          | POP48  | 250 m <sup>2</sup> /hr (2688 ft <sup>2</sup> /hr) | 48                         |
|                          | POP55  | 290 m <sup>2</sup> /hr (3120 ft <sup>2</sup> /hr) | 55                         |
| RIP                      | Prod70   | 360 m <sup>2</sup> /hr (3873 ft <sup>2</sup> /hr) | 70                         |
|                          | Prod95   | 500 m <sup>2</sup> /hr (5380 ft <sup>2</sup> /hr) | 95                         |
|                          | Software: GrandRIP+ by Caldera <sup>7</sup> or ProductionHouse by Onyx   |   |                            |
| Physical characteristics | Input formats: All popular graphic file formats, including PostScript, PDF, EPS, Tiff, PSD, and JPG  |   |                            |
|                          | Front end software features: Layout, step-and-repeat, color management and file sizing and cropping, edge-to-edge printing (bleed), queue, saturation control, slow loading speed, image 2, hot folder, and align to left/right and multi-sheet with optional Multi-sheet Loader Kit |   |                            |
|                          | Dimensions (w x d x h): 10.5 x 5.6 x 1.6 m (34.5 x 18.4 x 5.2 ft), <b>Weight:</b> 5000 kg (11,024 lb) with vacuum unit   |   |                            |
| Operating environment    | <b>Temperature:</b> 15 to 30°C (59 to 86°F), <b>Humidity:</b> 50 to 60% RH   |   |                            |
| Operating requirements   | Printer electrical voltage: 3-phase, 380 to 480 VAC, 50/60 Hz (+/- 3 Hz)   |   |                            |
|                          | Printer power consumption: 17 kW, 30 A (printing), 17 kW, 30 A (max)   |   |                            |
|                          | UV electrical voltage: 3-phase, 380 to 480 VAC, 50/60 Hz (+/- 3 Hz)  |   |                            |
|                          | UV power consumption: 25 kW, 68 A <sup>8</sup> (printing), 40 kW, 120 A (max)  |   |                            |
| Warranty                 | 1-year limited hardware warranty   |   |                            |

## Ordering information

|                               |   |
|-------------------------------|---|
| Product                       | CM103A: HP Scitex FB7600 Industrial Press   |
| Options/Upgrades              | CP390A: HP Scitex FB7500/FB7600 Multi-sheet Loader Kit  |
|                               | CP386A: HP Scitex FB7500/FB7600 White Ink Kit   |
| Original HP printing supplies | CP756A: HP FB225 2x5L Cyan Scitex Ink   |
|                               | CP757A: HP FB225 2x5L Magenta Scitex Ink  |
|                               | CP758A: HP FB225 2x5L Yellow Scitex Ink   |
|                               | CP759A: HP FB225 2x5L Black Scitex Ink  |
|                               | CP760A: HP FB225 2x5L Light Cyan Scitex Ink   |
|                               | CP761A: HP FB225 2x5L Light Magenta Scitex Ink  |
| Maintenance                   | CN750A: HP MF10 25-liter Scitex Cleaner   |
|                               | CN751A: HP MF10 5-liter Scitex Cleaner  |
| Applications                  | 3D displays; Banners; Directional rigid signage; Displays; Double-sided banners; Exhibition, Event graphics; Exterior signage; Graphics design; Indoor posters; Interior decoration; Light boxes - film; Light boxes - paper; POP/POS; POP rigid; Posters; Shortrun packaging; Specialty rigid applications |



<sup>1</sup> On 165 x 320 cm (65 x 126 in) sheets, including a full loading and unloading cycle.

<sup>2</sup> Limitations to media may apply. Please refer to [www.hp.com/go/mediasolutionslocator](http://www.hp.com/go/mediasolutionslocator)

<sup>3</sup> E, EE, and EB fluted boards; additional quality flat boards apply.

<sup>4</sup> According to ASTM D2565-99.

<sup>5</sup> Each print mode's gloss level can be controlled.

<sup>6</sup> Numbers provided are based on maximum number of full-size beds per hour (full bed size 1.65 x 3.2 m, 5 x 10 ft).

<sup>7</sup> X-Rite i1 Color for HP—Caldera profiles generated with i1 Profiler.

<sup>8</sup> This is the measured average/nominal power consumption, while using the default setting of the machine. Should a user raise the default UV power setting, the Nominal power consumption can increase by up to 40%.

