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 certified1, and comply with contract proofing standards according to ISO12647-72. Measured ink coverage on 100% POP files is up to 124 m2/L3.
• Achieve maximum throughput—and high margins—on plastics4.
• New HP FB225 Scitex color inks provide cross-hatch level5 adhesion and enable higher productivity and reduced labor and material costs by eliminating pre-treatment.
• Enjoy simultaneous loading/unloading with the ¾-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

1) At POP17/34 modes.
2) Ugra ISO12647-2 certification achieved by Christinger Partner AG for HP FB225 Scitex color inks and the HP Scitex FB7600 Industrial Press.
3) Printed in POP34 gloss mode on Kappa Foam Board, validated with the Ugra/Fogra media wedge V3 and IDEAlliance Digital Control Strip 2009.
4) Plastics media span is narrower when using HP FB225 White Scitex Ink.
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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.11

• 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.12

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.13

• Put UV-curable inks to work for you in generating new business opportunities. A reduced odor14 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™ inks also meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products.15

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1) Use of white ink with the HP Scitex FB7600 Industrial Press requires the HP Scitex FB7500/FB7600 White Ink Kit.
2) The remote HP technician may work directly with your operator, or with your HP Authorized Channel Partner.
3) An independently conducted and reviewed study, [SylvaTec, 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.
4) 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.
5) 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) and meets AgBB criteria for health-related evaluation of VOC emissions of indoor building products (see www.umweltbundesamt.de/produkte-e/bauprodukte/agbb.html). 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.

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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.

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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.

Press roller
An iron roller provides extra flattening of wavy media.

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

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.

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 Hoster Automatic Loader enables stack-to-stack operations for enhanced productivity.

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 m²/hr (5380 ft²/hr) or 95 full-size sheets/hr²

Resolution Up to 600 dpi

Media Handling, Sheet-to-sheet 3/4-automatic loading, semi-automatic and manual loading and unloading, and up to 4-sheet simultaneous printing with optional Multi-sheet Loader Kit

Types Foam PVC, PVC sheets, polyesterene (HIPS), fluted polypropylene, polycarbonate, polyesterene, synthetic paper, SAV, paper, foamboard, corrugated cardboard, 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)

Weight for manual loading: Up to 40 kg (88 lb)

Printing Technology: Drop-on-demand, piezoelectric inkjet

Ink types: U.V-curable pigmented inks

Ink compatibility: HP FB22S Scitex Inks

Ink colors: Cyan, magenta, yellow, black, light cyan, light magenta, and optional white

Ink coverage: Up to 124 m²/l (1335 ft²/l) (at POP 17/34 modes)

Printheads: 3.12 total (52 per color), additional: 104 for white ink

Outdoor durability: Up to 2 years UV with abrasion and water resistance

Ink drop: 42 pl

Printable area: 165 x 320 cm (65 x 126 in)

Print modes Table

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Productivity</th>
<th>Beds/hr²</th>
</tr>
</thead>
<tbody>
<tr>
<td>POP17</td>
<td>90 m²/hr (967 ft²/hr)</td>
<td>17</td>
</tr>
<tr>
<td>POP30</td>
<td>160 m²/hr (1720 ft²/hr)</td>
<td>30</td>
</tr>
<tr>
<td>POP34</td>
<td>180 m²/hr (1937 ft²/hr)</td>
<td>34</td>
</tr>
<tr>
<td>POP34 Text</td>
<td>180 m²/hr (1937 ft²/hr)</td>
<td>34</td>
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<tr>
<td>POP48</td>
<td>250 m²/hr (2688 ft²/hr)</td>
<td>48</td>
</tr>
<tr>
<td>POP55</td>
<td>290 m²/hr (3120 ft²/hr)</td>
<td>55</td>
</tr>
<tr>
<td>ProPD0</td>
<td>360 m²/hr (3873 ft²/hr)</td>
<td>70</td>
</tr>
<tr>
<td>ProPD5</td>
<td>500 m²/hr (5380 ft²/hr)</td>
<td>95</td>
</tr>
</tbody>
</table>

RIP Software: GrandRIP+ by Caldera® or ProductionHouse by Onyx

Input formats: All popular graphic file formats, including PostScript, PDF, EPS, Tiff, PSD, and JPG

Front end software features: Layout, stepandrepeat, 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

Physical characteristics Dimensions (w x d x h): 10.5 x 5.6 x 1.6 m (34.5 x 18.4 x 5.2 ft), Weight: 5000 kg (11,024 lb) with vacuum unit

Operating environment Temperature: 15 to 30°C (59 to 86°F), Humidity: 30 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 A² (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 Multisheet Loader Kit

CP386A: HP Scitex FB7500/FB7600 White Ink Kit

Original HP printing supplies CP755A: HP FB22S 2x5L Cyan Scitex Ink

CP757A: HP FB22S 2x5L Magenta Scitex Ink

CP758A: HP FB22S 2x5L Yellow Scitex Ink

CP759A: HP FB22S 2x5L Black Scitex Ink

CP760A: HP FB22S 2x5L Light Cyan Scitex Ink

CP761A: HP FB22S 2x5L Light Magenta Scitex Ink

Maintenance CN750A: HP WF10 25 liter Scitex Cleaner

CN751A: HP WF10 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, Short-run packaging, Specialty rigid applications

Additional services

Color solutions

Warranties

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

2) Limitations to media may apply. Please refer to www.hp.com/go/mediasolutionslocator

3) E, EE, and EB fluted boards, additional quality flat boards apply.

4) According to ASTM D2565-99

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