HP Scitex FB6700 Printer

High-productivity, high-quality solution brings the advantages of digital processes to rigid-media printing. It is ideal for producing a wide range of rigid applications, including POP displays, samples, short-run packages and exhibition stands.

Improve your productivity and efficiency

- **Fully automated workflow allows high productivity with only a single operator.** This system's fully automatic printing process includes substrate loading, online pre-treatment, printing, in-line hot air drying, and substrate unloading. The sheet-to-sheet automatic loading and unloading weightlifting capability is up to 750 kg (1,690 pounds). The printer software enables job queuing. The workflow components allow easy access and maintenance, and automation enables improved productivity and efficiency. One-person operation frees skilled staff for other responsibilities.
- **Print up to 29 full-size sheets per hour of sellable quality.** With a print speed of up to 150 m^2/hr (1,614 ft^2/hr) in full format in 2-pass mode, this printer is built for heavy-duty industrial production. With automated workflow, you minimize idle time between sheets.
- **Virtually eliminate prepress—no films or plates, no make-ready time, no waste—and be more efficient.** Unlike traditional printing technology, the HP Scitex FB6700 Printer virtually eliminates the time and expense associated with traditional pre-press processes—films, plates, and chemistry—and generates little or none of the waste. With its entirely digital process, it brings added convenience and cost savings to you and your customers by reducing the need for storage of plates and printed stock inventories and by reducing the need for inventory control of printed stock.
- **Built-in automatic printhead maintenance unit enables production without sacrificing quality.** Built-in automatic printhead maintenance system enables continuous production-speed throughputs and stable output quality.
- **Add the optional (not included, sold separately) in-line laminator to finish output.** Now, you can extend the high productivity and quality of the HP Scitex FB6700 Printer through to the finishing process by adding the HP Scitex FB6700 Inline Lamination Upgrade. The inline laminator is a specially customized version of GBC's market-proven professional series lamination unit.

Expand into new applications and new capabilities

- **Six-color drop-on-demand piezoelectric inkjet printing enables high quality at high print speed.** The 42 printheads in the drop-on-demand piezoelectric inkjet printing process deliver 25,000 droplets per second per nozzle and achieve true 600 dpi quality. The simple printhead design increases product reliability. The heads have a thickness of only 1.5 mm (0.06 inches) and their multilayer structure allows the ink to pass without requiring a lot of tubes.
- **Get outstanding text and image quality with high digital throughput.** The system's true 600 dpi resolution is available with all print modes and speeds—including throughput of up to 150 m^2/hr (1,614 ft^2/hr)—and enables superb quality with plenty of detail.
- **Dedicated inks deliver a very wide gamut, with offset-like vivid colors.** HP Scitex WB300 Supreme inks come in six colors—cyan, magenta, yellow, black, light cyan, and light magenta—and deliver a very wide color gamut with offset-like vibrancy. The inks were developed together with the printheads, which guarantees compatibility and performance.

Ideal for display and packaging applications

- **Print on a wide variety of large-format rigid media types in varying thicknesses.** The HP Scitex FB6700 Printer has been designed to print on corrugated and compressed cardboard, foam board, foam PVC, and other rigid substrates. Print full sheets up to 1.55 x 3.2 m (5 x 10.5 ft) in size and up to 20 mm (0.79 in) in thickness.
- **HP Scitex WB300 Supreme inks have a two-year outdoor durability for UV-resistance.**[1] HP Scitex WB300 Supreme inks are pigmented, water-based inks that are UV-resistant for up two years outdoors[1], water-resistant, and abrasion-resistant. Because they are flexible, they don't crack when folded. Developed for best performance with the printheads, they are fast-drying and enable long-lasting color.
- **Water-based inks provide a safe printing environment for your employees and customers.** HP Scitex WB300 Supreme inks alleviate your environmental, health, and safety concerns. No special ventilation is required to meet occupational exposure limits, and there are no requirements for air discharge permitting, facilitating an improved printing environment.
- **Odorless, water-based inks are ideal for in-store displays and packaging.** Non-hazardous, water-based HP Scitex WB300 Inks are odorless and don't produce ozone emissions. What's more, these inks are non-flammable and non-combustible.

[1] According to standard ASTM-D2565-99

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Technical specifications

Print speed	Up to 150 m²/hr (1,614 ft²/hr);
	Up to 29 full-size sheets/hr[1)]
Print resolution	Up to 600 dpi, 900 dpi apparent
Media	
Handling	Sheet-to-sheet automatic loading and unloading with lifting weight
	of 750 kg (1,690 lb)
Types	Corrugated and compressed cardboard, polypropylene, styrene, acrylic,
	polycarbonate, foam board, foam PVC, and other rigid substrates
Size	80 x 140 to 160 x 320 cm (31.5 x 55.1 to 63 x 126 in)
Thickness	Rigid substrates up to 20 mm (0.79 in) thick
Printing	
Technology	Drop-on-demand piezoelectric inkjet
Ink types	Water-based pigmented inks
Ink compatibility	HP Scitex WB300 Supreme Ink
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Print heads	42 total (7 per color)
Outdoor durability	Up to 2 years UV and water resistance[2)]
Ink drop	30 pl
Printable area	155 x 320 cm (61 x 126 in)
Printing modes	
	2-pass – 150 m²/hr (1614.5 ft²/hr)
	3-pass – 110 m²/hr (1184 ft²/hr)
	4-pass – 90 m²/hr (968.7 ft²/hr)
	5-pass – 60 m²/hr (645.8 ft²/hr)
RIP	
Software	ApriRIP2
Input formats	All popular graphic file formats, including EPS, PostScript level 3, and PDF
Front end software features	
	Queuing, step-and-repeat
Workflow components	
	Automatic substrate loading, online pre-treatment, Inline IR
	and hot air dryer, automatic substrate unloading
Dimensions (w x d x h)	3.20 x 17.73 x 2.44 m (10.5 x 58.17 x 8 ft)
Weight	8,000 kg (17,600 lb)
Operating environment	
Temperature	20 to 25° C (68 to 77° F)
Humidity	40 to 60% RH (non-condensing)
Operating requirements	
Electrical voltage	3-phase, 230/400 VAC (+/- 5%), 50/60 Hz, 125 A per phase
Power consumption	94 kVA (75 kW)
Warranty	1-year limited hardware warranty

[1)] On 160 x 320 cm (63 x 126 in) sheets

[2)] According to standard ASTM D2565-99

Ordering information

Product

CG741A	HP Scitex FB6700 Printer

Original HP printing supplies

480I00327	HP WB300 4x3.8kg Supreme Cyan Scitex Ink
480I00328	HP WB300 4x3.8kg Supreme Magenta Scitex Ink
480I00329	HP WB300 4x3.8kg Supreme Yellow Scitex Ink
480I00330	HP WB300 4x3.8kg Supreme Black Scitex Ink
480I00331	HP WB300 4x3.8kg Supreme Light Cyan Scitex Ink
480I00332	HP WB300 4x3.8kg Supreme Light Magenta Scitex Ink
CH789A	HP WB300 4x3.8kg Supreme Bright Yellow Scitex Ink

Pre treatment

480I00263	HP PT10 1x10kg Scitex Solution
510-000018	HP PT20 4x3.8kg Scitex Solution

Applications

POP rigid
Rigid exhibition and event graphics
Short-run packaging
3D displays

To learn more, visit www.hp.com/go/graphic-arts

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Progressive Profitable Printing