HP Scitex FB6100 Printer

Print high-quality images on a range of wide-format media. Print rigid and flexible applications with the HP Scitex FB6100 Printer, which is fast and designed for industrial environments.

Deliver high print quality fast

- **Create quality graphics that pass the scrutiny of your most discriminating client.** Print vibrant, point-of-purchase displays with impressive print quality—up to 1270 x 800 dpi resolution.
- **Produce a wide range of brilliant 8-color output with 28 picoliter ink drops.** The system—with a small 28 picoliter drop size and accurate registration—produces incredible high-quality images. With 8 colors, you achieve a wider, smoother color gamut for more precise color accuracy and images with minimal graininess.
- **Ensure high-quality prints with this printer's Smooth Print feature.** The Smooth Print feature lets you continue printing even with a missing nozzle without compromising print quality. The software's advanced algorithm ensures high quality and compensates for missing nozzles.
- **Gain versatility without compromising print quality.** The HP Scitex FB6100 printer facilitates both flatbed as well as roll to roll printing, enabling you to provide the high-quality results your business demands.

Improve the efficiency of your business

- **Meet your customers' fast turnaround requirements with this printer's new print mode.** Print point-of-purchase/point-of-sale quality output at production print speeds up to 77 m²/hr (820 ft²/hr). This printer offers 8-color printing at speeds up to 50 m²/hr (530 ft²/hr) for high-quality indoor prints and 4-color printing at speeds up to 100 m²/hr (1070 ft²/hr) for outdoor applications.
- **Multiply your productivity—print on multiple sheets at once.** Simultaneously print multiple sheets of rigid media, such as pre-cut sign boards, at one time with a 3.2 x 2 m (10.5 x 6.5 ft) table.
- **Designed for high-volume industrial environments.** Robust, reliable, and with a heavy-duty frame, this printer is designed for 24/7 production environments.

Invest in versatility

- **Customize your glossy prints with this printer's Shutters Control Kit.** Fine tune your glossy prints and get the look you want with the Shutters Control Kit. This kit controls the light exposure, delaying the curing process and producing glossier prints.
- **Enjoy outstanding application versatility—print on rigid and flexible media with the HP Scitex FB6100 Printer.**[1] Print directly on rigid, thick, or heavy specialty media, like glass, wood, metals, or more conventional media such as foam board PVC, corrugated plastic, and MDO/MDF up to 50 mm (2 in) thick.[1] With built-in, roll-to-roll capability on the HP Scitex FB6100 Printer, you can print on flexible media such as vinyl, paper, and banners. The roll-fed media system makes it easy to switch between rigid and roll-fed printing modes.
- **Achieve high color fidelity on transparent or colored media with the new HP White Ink System.**[2] Give clients the contrast and color fidelity they desire. With the new and improved HP White Ink System, you can overprint and cover non-white areas of your graphic or use it to make the backside of an image printed on transparent media opaque. Also use white ink as a spot color for reproducing the white elements on an image.
- **Enjoy the flexibility of selecting the optimal image quality for each job you print.** Switch between 4- and 8-color or 6-color + white printing[2] quickly and easily for increased versatility and cost-effectiveness. For photo-realistic images that will be viewed up close, use the 8-color printing for up to 1270 x 800 dpi resolution. Switch to 4-color printing for outdoor applications or for super-fast printing at up to 100 m²/hr (1070 ft²/hr).

Rest assured with a proven industrial platform

- **Rely on an industry-renowned, product.** Count on a proven product with a large worldwide install base.
- **Spend more time printing and less time maintaining your printer.** This printer's flatbed table is easy to maintain and clean after extended use.
- **Your printer is available and productive with HP Scitex Support, a name you know and trust.** At HP Scitex, we are fully committed to our clients' long-term success. We are as serious about supporting our clients with top-quality care as we are about providing world-class printing systems. That means we are committed to ensuring that you enjoy maximum uptime and productivity. All HP Scitex programs and services are designed with that single goal in mind. Wherever you are, you can be sure that HP Scitex-certified experts are close by and ready to help.

[1] For some substrates, primer is required.

[2] White Ink printing available in flatbed mode only.

HP Scitex FB6100 Printer at a glance

Technical specifications

Print speed	Up to 100 m²/hr (1070 ft²/hr)
Print resolution	Up to 1270 x 800 dpi, 2540 x 1600 dpi apparent
Media[1]	
Handling	Rigid sheet-fed media, roll feed
Types	**Rigid:** foam PVC, rigid PVC, corrugated boards, foam-core boards, acrylic sheets, polypropylene, polystyrene, polycarbonate, glass, wood, aluminum and others; **Roll-fed:** vinyl, standard paper, blue back paper, SAV, banner material, flag, and others
Size	**Rigid:** up to 3.2 x 2 m (10.5 x 6.5 ft); **Roll-fed:** up to 2.2 m (7.21 ft) wide
Loading	**Rigid:** up to 20 kg/m² (4 lb/ft²) weight; **Roll-fed:** up to 76 mm (3 in) core; up to 350 mm (14 in) outside diameter; automatic and quick changeover
Thickness	**Rigid:** up to 50 mm (2 in) media thickness
Printing	
Technology	Drop-on-demand, piezoelectric inkjet
Ink types	UV-curable pigmented inks, UV-curable white ink
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta, light yellow, light black, white
Print heads	16 total, 256 nozzles/head
Printing modes[2]	8-color 50 m²/hr (538 ft²/hr)
	8-color 27 m²/hr (290 ft²/hr)
	8-color 17 m²/hr (183 ft²/hr)
	4-color 100 m²/hr (1076 ft²/hr)
	4-color 57 m²/hr (613 ft²/hr)
	6-color + white 40 m²/hr (431 ft²/hr)
	6-color + white 23 m²/hr (248 ft²/hr)
	6-color + white 17 m²/hr (183 ft²/hr)
Outdoor durability	Up to 2 years UV and water resistance[3]
Ink drop	28 pl
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	
	Smooth print feature, Shutters Control Kit, versatile queue management, job-ticket based operation, automatic calibration, management tools, error correction mechanism
Physical characters	
Dimensions (w x d x h)	5.85 x 5.42 x 1.95 m (19.19 x 17.78 x 6.4 ft)
Weight	5500 kg (12,125 lb)
Operating environment	
Temperature	18 to 28° C (64 to 85° F)
Humidity	40 to 60% RH (non-condensing)
Operating requirements	
Electrical voltage	3-phase, 230/400 VAC, 50/60 Hz, 3 x 25 A
Power consumption	17.8 kVA (14.24 kW)
Warranty	1-year limited hardware warranty

Ordering information

Product
CG714A   HP Scitex FB6100 Printer

Original HP printing supplies
40-6211   HP FB210 4x1L Yellow Scitex Ink
40-6212   HP FB210 4x1L Light Yellow Scitex Ink
40-6213   HP FB210 4x1L Magenta Scitex Ink
40-6214   HP FB210 4x1L Light Magenta Scitex Ink
40-6215   HP FB210 4x1L Cyan Scitex Ink
40-6216   HP FB210 4x1L Light Cyan Scitex Ink
40-6217   HP FB210 4x1L Black Scitex Ink
40-6218   HP FB210 4x1L Light Black Scitex Ink
40-6360   HP FB210 4x1L White Scitex Ink

Primers
40-6290   HP PT40 1L Specialty Glass Scitex Solution
40-6292   HP PT50 1L Specialty Melamine Scitex Solution
40-6291   HP PT60 1L Specialty Acrylic Scitex Solution
40-5207   HP PT70 4x1L Specialty Polycarbonate Scitex Solution

Maintenance fluid
CH880A   HP MF25 4x1L Scitex Cleaner

Applications
POP rigid
Rigid exhibition and event graphics
Specialty rigid applications
Interior design & product decoration
Short-run packaging
Flexible substrates

[1] Tested with original HP printing supplies, restrictions apply.
[2] White Ink printing available in flatbed mode only.
[3] According to ISO 11341:1994 standard; UV and water resistance without coating or lamination; durability depends on media and environment.

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

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