

HP Scitex TJ8300/8500 Printer series

With high-speed, high-quality solvent and UV printing¹ on many types of media, you can offer a wide variety of cost-effective applications. HP Scitex TJ printers make it easy to fill capacity and add high-margin jobs for a rapid return on investment.



Get outstanding productivity without compromise

- **Industry-leading productivity—Print up to 66 sheets/hr with speeds up to 400 m²/hr (4,305 ft²/hr).**² Print up to 132 1.5 m x 1.8 m (4.9 ft x 5.9 ft) posters per hour, or 176 billboards with 10 messages per eight-hour shift. One of the fastest wide-format printer series on the market, this series supports three speeds—for 165 cm x 370 cm (65 inch x 145 inch) size media, print at 336 dpi: up to 66 sheets/hr (400 m²/hr / 4,300 ft²/hr), at 448 dpi: up to 33 sheets/hr (200 m²/hr / 2,150 ft²/hr), and at 600 dpi (apparent): up to 17 sheets/hr (100 m²/hr / 1,075 ft²/hr).
- **Improve productivity with the included high-performance Onyx I-RIP for HP Scitex software.** The included I-RIP for HP Scitex (by ONYX) software improves productivity. You can quickly transition between jobs by loading the next file while the current job is printing. Work on two jobs at once—the I-RIP can process one file while the printer operator prepares another.
- **Advanced, user-friendly front-end software improves workflow and enables precision printing.** Front-end software offers a wide range of features and options that streamline your workflow and deliver results quickly and accurately. Features include tiling to columns or rows, cropping files, adding elements, rotating and overlaying images, queuing, and archiving. The intuitive graphical user interface makes the system easy to use.
- **Maximize your ink utilization with advanced ink management.** An ink level sensor provides ink tank replacement alerts and an advanced pump system ensures smooth ink circulation.

Superb-quality prints will astound your customers

- **Print top-quality images with up to two-year outdoor durability with six HP Scitex inks.** Six separate and custom-designed HP Scitex inks—cyan, magenta, yellow, black, light cyan, and light magenta—allow you to print a wide range of vibrant colors that have an outdoor durability of up to two years³. HP inks enable optimized usage of your HP printer and consistent production.
- **Print at up to 600 dpi (apparent) with sharp, 8-point text for POP/POS applications.** The HP Scitex TJ Printer series supports a range of preset print quality modes—production mode: 336 dpi, quality mode: 448 dpi, and high-quality mode: 600 dpi (apparent). Additional user-defined modes are also available⁴. Choose the printing mode (resolution and speed) that best suits your application.

- **Use the software RIP's enhanced color management tools for the best colors your printer can produce.** Apply the dedicated I-RIP for HP Scitex (by ONYX) software's advanced features to control saturation, gray levels, and color replacement. You can modify jobs to achieve just the right look before you print—saving time and money. Supports a wide array of image formats, including TIFF, EPS, PS, JPEG, Photoshop, and more.
- **The advanced drum technology and system design delivers outstanding print quality.** This unique drum technology delivers high-quality without compromising speed. Specially designed for the HP Scitex TJ Printer series, the 150 printhead bridge enables precise drop-on-demand piezoelectric inkjet printing. The six colors are applied simultaneously for exceptional output quality at very high print speeds.

Get a rapid return on your investment

- **This robust, high-volume, 24/7 printing system delivers a rapid return on investment.** Ideal for high-volume, 24/7 printing environments, this robust and productive printing system, enabled by the advanced drum technology and system design, delivers a rapid return on investment. Print as many as 66 full-sized sheets per hour with only one operator at an industry-leading price per copy for a rapid return on your investment.
- **Experience market advantages on short, medium, and long run print jobs.** For almost any type of printing house, the HP Scitex TJ Printer series can complement your existing capabilities. As a screen printer, compete with screen line quality on any application with the added benefits of a digital process. For short to medium runs, beat traditional screen printing on cost and efficiency. On long runs, offer customers faster turnaround time. You can also print samples and proofs on-demand without additional, expensive equipment.

Flexibility gives you a competitive edge

- **Enjoy the freedom to print on almost any media, including sheet or roll-fed media.** The HP Scitex TJ Printer series has high media versatility, supporting uncoated to high-profit media. The ability to print on uncoated or untreated materials gives you an advantage over traditional systems, particularly for low-margin applications. With the optional HP Scitex TJ Double Sided Upgrade, you can offer your customers a range of new applications.
- **Print on a range of media sizes.** The HP Scitex TJ Printer series supports sheet output sizes ranging from 120 x 160 cm (47 x 63 in) to 165 x 370 cm (65 x 145 in).

¹ For a solvent ink process, choose the HP Scitex TJ8300 Printer; for a UV ink process, choose the HP Scitex TJ8500 Printer.

² On 165 x 370 cm (65 x 145 in) sheets

³ Inks are UV-durable for up to two years according to ASTM-D2565-99 standard. Durability depends on media.

⁴ Only the HP Scitex TJ8500 Printer has a high-quality printing mode and additional user-defined printing modes.

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Technical specifications

Print speed	Up to 400 m ² /hr (4,305 ft ² /hr) Up to 66 sheets/hr ¹⁾
Print resolution	Up to 600 dpi apparent
Media	
Handling	Automatic roll-to-sheet, optional semi-automatic sheet-to-sheet
Types	Uncoated flexible substrates such as indoor and outdoor wet strength digital paper, self-adhesive vinyl, flag, polystyrene and backlit materials, PVC banner, window graphics, and other flexible media. Also, uncoated synthetic paper and similar for HP Scitex TJ8500.
Size	1.2 x 1.6 to 1.65 x 3.7 m (47 x 63 to 65 x 145 in)
Loading	Up to 250 kg (551 lb) rolls, up to 45 cm (18 in) outside diameter
Thickness	Up to 0.5 mm (19 mil) thick
Printing	
Technology	Drop-on-demand, piezoelectric inkjet
Ink types	HP Scitex TJ8300: Solvent pigmented inks HP Scitex TJ8500: UV-curable pigmented inks
Ink compatibility	HP Scitex TJ8300: HP Scitex TJ100 Supreme Ink, HP Scitex TJ100 Flash Ink HP Scitex TJ8500: HP Scitex UV850 Supreme Ink
Ink colors	Cyan, magenta, yellow, black, light cyan, light magenta
Print heads	150 total (25 per color)
Outdoor durability	Up to 2 years UV and water resistance ²⁾
Ink drop	80 pl
Printable area	1.56 x 3.66 m (61 x 144 in)
RIP	
Software	Onyx I-RIP Plus for HP Scitex
Input formats	All popular graphic file formats, including EPS, PostScript level 3, and PDF
Front end software features	
	Loading new file during printing, queuing, step-and-repeat, tiling, image rotation, image overlay, add element
Workflow components	
	Dedicated collecting table. Also, dedicated dryer for HP Scitex TJ8300
Dimensions (w x d x h)	4 x 3.25 x 2.03 m (13.2 x 10.7 x 6.7 ft)
Weight	2,700 kg (5,952 lb)
Operating environment	4 x 3.25 x 2.03 m (13.2 x 10.7 x 6.7 ft)
Temperature	18 to 26° C (64 to 79° F)
Humidity	40 to 80% RH (non-condensing)
Operating requirements	4 x 3.25 x 2.03 m (13.2 x 10.7 x 6.7 ft)
Electrical voltage	HP Scitex TJ8300 (not including dryer): 3-phase, 230/400 VAC, 50 Hz HP Scitex TJ8500 (not including UV system): 3-phase, 230/400 VAC, 50 Hz; 3-phase, 120/480 VAC, 60 Hz (via transformer); 3-phase, 120/208 VAC, 60 Hz (via transformer)
Power consumption	HP Scitex TJ8300: 100 kVA (80 kW) HP Scitex TJ8500: 113 kVA (90 kW)

¹⁾ On 165 x 370 cm (65 x 145 in) sheets

²⁾ According to standard ASTM D2565-99

Ordering information

Product
CG739A HP Scitex TJ8300 Printer
CG740A HP Scitex TJ8500 Printer

Options/Upgrades
CG712A HP Scitex TJ Double Sided Upgrade*

HP Scitex TJ8300 Printer

Ink supplies
480I00302 HP Scitex TJ100 SUPREME CYAN 10L
480I00303 HP Scitex TJ100 SUPREME MAGENTA 10L
480I00304 HP Scitex TJ100 SUPREME YELLOW 10L
480I00305 HP Scitex TJ100 SUPREME BLACK 10L
480I00306 HP Scitex TJ100 SUPREME LIGHT CYAN 10L
480I00307 HP Scitex TJ100 SUPREME LIGHT MAGENTA 10L
480I00386 HP Scitex TJ100 FLASH CYAN 10L
480I00387 HP Scitex TJ100 FLASH MAGENTA 10L
480I00388 HP Scitex TJ100 FLASH YELLOW 10L
480I00389 HP Scitex TJ100 FLASH BLACK 10L
480I00390 HP Scitex TJ100 FLASH LIGHT CYAN 10L
480I00391 HP Scitex TJ100 FLASH LIGHT MAGENTA 10L

Maintenance Fluid

480I00537 HP Scitex MF 10L
480I00284 HP Scitex MF 10/5L

HP Scitex TJ8500 Printer

Ink supplies
480I00497 HP Scitex UV850 SUPREME CYAN 5L
480I00498 HP Scitex UV850 SUPREME MAGENTA 5L
480I00499 HP Scitex UV850 SUPREME YELLOW 5L
480I00500 HP Scitex UV850 SUPREME BLACK 5L
480I00501 HP Scitex UV850 SUPREME LIGHT CYAN 5L
480I00502 HP Scitex UV850 SUPREME LIGHT MAGENTA 5L

Maintenance Fluid

480I00537 HP Scitex MF 10
480I00284 HP Scitex MF 10 5L

* Currently compatible with the HP Scitex TJ8500 Printer only

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399000357, May 2008

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