

HP Scitex TJ8300/TJ8500

Digital screen printers



The HP Scitex TJ series lets you choose the ideal technology for your targeted applications and still get the one of the fastest wide format digital presses available. For a solvent ink process, choose the HP Scitex TJ8300; for UV printing, go with the HP Scitex 8500. Both ways, the HP Scitex TJ series' combination of high quality, high throughput, extensive flexibility and advanced capabilities opens a world of opportunities.

Key differences

HP Scitex TJ8300

Solvent inks
External drying system
Wide choice of media

HP Scitex TJ8500

UV inks
Internal curing system
Additional media options

Key features

Industry-leading productivity

- Up to 70 sheets of 165 x 370cm (65 x 145") per hour
- Up to 400 sqm (4,304 sqft) per hour
- Choice of modes
- Load file while printing feature
- Automatic media loading

Superb quality

- 6-color printing, up to 600dpi, with sharp 8-point text

Onyx Production House® RIP

- Option to work in parallel
- Enhanced color management
- Intuitive, easy-to-use interface
- Supports TIFF, EPS, PS, JPEG, Photoshop and more

Advanced technology and system design

Provides a sleek production system that delivers quick return on investment (ROI). The media is roll-fed to the buffer, cut to length and loaded onto the revolving drum.

HP Scitex TJ8300: The sheet is automatically removed from the drum and slides onto the drying unit.

HP Scitex TJ8500: The integrated dryer cures the ink with each drum revolution.

Custom-designed print heads bridge

150 print heads enable exceptional production and output quality.

Dedicated inks

- Custom-designed inks optimize each printer and ensure constant production
- Up to two years outdoor durability
- HP Scitex TJ8500: environmentally friendly UV inks meet regulatory requirements and enable compact system with no external dryer

Advanced, user-friendly front-end

Wide range of features and options, including tiling to columns or rows, crop files, add image option, queue and archive.

Extensive choice of media - from uncoated to high-profit

Both systems print on uncoated or untreated materials, including paper, self-adhesive vinyl, banner, canvas, paper-back flag; HP Scitex TJ8500 also prints on uncoated synthetic media.

Dedicated applications

- Indoor and outdoor signage
- Paper and SAV billboards
- Bus shelters
- Vehicle wraps and fleet marking
- Visual branding solutions
- Popup displays and posters
- Backlit indoor and outdoor signage
- Exhibition and event banners
- Floor and window graphics
- Textiles, including canvas



Product specifications

The system's configuration includes	Printing system, with internal front-end station. Dedicated dryer - HP Scitex TJ8300 only. Dedicated collecting table. Dedicated RIP software.
Technology	Multi-head, drop-on-demand piezoelectric inkjet printing Applies 6 colors simultaneously
Image area	Up to 158cm (163cm with degradation in the edges) x 370cm (64 x 145"), rectangular prints (not diagonal) includes overlap and margin area
Colors	Six color system
Resolution	High quality mode: 600dpi (apparent) Quality mode: 448dpi Production mode: 336dpi
Screening	Error diffusion, stochastic
Media type	Uncoated flexible substrates such as paper, etc.; also uncoated synthetic paper and similar for HP Scitex 8500, indoor and outdoor wet strength digital paper, self-adhesive vinyl, polystyrene and backlit materials, PVC banner, window graphics, other flexible media
Media size	Minimum loading - 120 x 160cm (47 x 63") Maximum loading - 165 x 370cm (65 x 150") 6" core formation
Media handling	Roll-to-sheet: automatic
Printing modes	HP Scitex TJ8500 only: 600dpi (apparent) up to 26 sheets/hr (100sqm/hr/1,075sqft/hr) 448dpi up to 52 sheets/hr (200sqm/hr/2,150sqft/hr) 336dpi up to 68 sheets/hr (400sqm/hr/4,304sqft/hr)
Ink	6 colors - CMYK, LC, LM, inks are UV-durable for up to 2 years According to standard ASTM-D2565-99 HP Scitex TJ8300: HP Scitex TJ100 Supreme pigmented solvent-based inks HP Scitex TJ8500: HP Scitex TJ UV pigment based inks
Front-end software features	Loading new file during printing, queuing, step-and-repeat, tiling, image rotation, image overlay, add element
Electrical requirements	Voltage: 220 - 240V, 3Ph, 50Hz/110 - 120V, 3Ph, 60Hz Power consumption: 150 KVA max HP Scitex TJ series requires 220V For 110V countries, the system will be supplied with an adequate transformer
Physical characteristics	Machine: Size (HWD): 190 x 400 x 325 cm (75 x 158 x 128") Weight: 3,000kg (6,600lb) Total site requirement size: HP Scitex TJ8300: 3 x 7.5 x 19m (10 x 25 x 62ft) HP Scitex TJ8500: 3.2 x 10 x 10m (10.5 x 33 x 33ft)

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