



HP Scitex 9000 Industrial Press

Step up your sign and display production
and compete on an entirely new level



Compete at the next level.
The HP Scitex 9000 Industrial Press
enables high-volume sign and display
production, high-quality results,
and a wide application range.
With an entry-level investment,
you can now print and offer more
to customers.

Advance your business with industrial production

Gain industrial-grade productivity at an entry-level investment. HP Scitex High Dynamic Range (HDR) printing delivers productivity and quality without trade-offs. Increase your print volumes with engine speed up to 90 beds/hour and multi-sheet printing capabilities.

- Productivity up to 60 beds/hour (300 m²/hr or 3229 ft²), subject to operator efficiency.¹
- Industry-proven HP Scitex High Dynamic Range (HDR) printing delivers high productivity and quality.
- Increase print volumes with production efficiencies enabled by multi-sheet printing capabilities.
- HP PrintOS apps²—get more out of your press, simplify and automate production, and continuously improve operations.

¹ Productivity of up to 60 beds/hr includes 20 seconds to load and unload.

² Device support and implementation for HP PrintOS applications and functionality varies by individual presses. Individual application introduction dates vary. Some applications are available for a fee or may be provided at no additional charge with a service contract.

Increase your advantage with industrial-grade productivity that's yours at an entry-level investment.

HP HDR245 Scitex Inks have achieved UL GREENGUARD GOLD Certification⁵ and meet AgBB criteria.⁶



³ HP HDR245 Scitex Inks color gamut based on December 2015 internal HP testing to 2 dE2000, in HQ POP Gloss mode

⁴ HP HDR245 Scitex Inks are formulated to produce low-odor prints that are tested according to the DIN EN 1230-1 odor standard for paper and board. Print odor is rated on a scale of 0 (no perceptible odor) to 4 (strong odor). Print odor with HP HDR245 Scitex Inks at POP Production is rated 1-2 for prints produced in matte mode. Odor test results validated by internal HP testing.

⁵ UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org. Tested on prints made on Scrolljet 904 175 g/m² paper, printed at Fast Sample, 80% UV power, 220% ink coverage. Using UL GREENGUARD GOLD Certified inks does not indicate the end product is certified.

⁶ HP HDR245 Scitex Inks meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products based on internal HP assessment evaluating HP HDR245 Scitex Inks, similar to HP Scitex inks that were tested at UL labs and achieved full compliance. For more information, visit umweltbundesamt.de/en/topics/health/commissions-working-groups/committee-for-health-related-evaluation-of-building. Using inks that meet AgBB criteria does not indicate the end product meets the criteria.

⁷ Verified with the Ugra/Fogra Media Wedge V3 (Fogra39L) standard in POP Production Corrugated Gloss mode. Color verified with Caldera Print Standard Verifier, printed on CalPaper (coated paper). Tested December 2015.

⁸ Requires purchase of an upgrade kit to the HP Scitex 11000 Industrial Press.

Deliver high quality and a range of applications

Secure existing customers and attract new business with signs and displays that demonstrate outstanding quality. Produce a broad range of applications that meet certification requirements for sensitive indoor environments.

- Produce outstanding results—Smooth tone transitions and wide color gamut with up to 86% Pantone[®] coverage.³
- HP HDR245 Scitex Inks provide low-odor prints⁴ as well as flexibility and surface durability at the same time, for a broad application range.
- HP HDR245 Scitex Inks have achieved UL GREENGUARD GOLD Certification⁵ and meet AgBB criteria.⁶
- Prints provide up to 24 months fade resistance under outdoor lighting conditions.⁷

Confidently grow your capacity with an easy upgrade path

Protect your investment while keeping the door open for growth. In the future, you can upgrade to the HP Scitex 11000 Industrial Press, including its multi-sheet loading table, expanded capacity, and higher duty cycle.⁸

- Help reduce running costs with $\frac{3}{4}$ automated operation.⁸
- Expand to 4-up capabilities with the optional multi-sheet loading table.⁸
- Double your productivity from up to 60 boards/hr to up to 127 boards/hr.⁸
- Increase your press's duty cycle to up to 1 million m²/year⁸ and accommodate growing volumes.

Enhance your productivity with HP Services

HP Services offers you the broadest portfolio of proven service programs to keep your business running productively. Our certified service teams are committed to meeting your end-to-end needs, driving your business productivity and sustainability for a profitable printing operation. Learn more at hp.com/go/scitexservice

HP Scitex High Dynamic Range (HDR) Printing Technology

Providing precision control over color and tone for clarity of image detail, and producing prints with the highest dynamic range, HP Scitex HDR Printing Technology is ideal for POP and retail graphics, corrugated displays, and high-impact graphics in packaging applications.

1

- HP Scitex High Dynamic Range Printing Technology combines the best of both worlds

2

- Small drops produce high quality

3

- Large drops produce high productivity

Color addressability

More gray-levels produce fine gamut resolution for subtle shading in images

Gamut span

Visible tone breaks **Smooth tones**

More directly printable colors

The diagram illustrates the concept of color addressability. On the left, a grid of colored squares shows a wide range of colors, with a blue arrow pointing upwards indicating 'More directly printable colors'. On the right, a landscape image of a lake and mountains is shown with a blue arrow pointing to the sky area, labeled 'Visible tone breaks' and 'Smooth tones', indicating the transition from a coarse to a fine color resolution.

Reinvent print production with HP PrintOS

HP PrintOS is a print production operating system with apps that help you get more out of your HP Scitex presses, and simplify and automate your production. Use PrintOS to continuously improve your operations and enable new forms of collaboration. Access the open and secure cloud-based PrintOS platform anytime, anywhere. PrintOS will be available for HP Scitex presses in early 2017.

Technical specifications

Productivity	Up to 90 beds/hr engine speed. Actual productivity up to 60 beds/hr (300 m ² /hr or 3229 ft ²), including manual load and unload, subject to operator efficiency ⁹														
Media	<ul style="list-style-type: none"> • Handling: Manual loading and unloading • Types⁹: Foam PVC, polystyrene (HIPS), fluted polypropylene¹⁰, synthetic paper, paper, foamboard, corrugated cardboard¹¹ compressed cardboard¹² • Rigid and flexible sheets • Thickness: Up to 25 mm (1 inch), Minimum: 0.1 mm • Weight for manual loading: Up to 40 kg (88 lb) 														
Printing	<ul style="list-style-type: none"> • Technology: HP Scitex High Dynamic Range • Auto-calibration tools included • (HDR) Printing Technology Ink types: HP HDR245 Scitex Inks, pigmented UV curable inks, UL GREENGUARD GOLD Certified⁵ • Ink colors: cyan, magenta, yellow, black, light cyan, light magenta 	<ul style="list-style-type: none"> • Color standards: HP HDR245 Scitex Inks meet proofing standards according to ISO12647-7⁷ • Printheads: Total 312 HP Scitex HDR300 Printheads (52 per color) 	<ul style="list-style-type: none"> • Printable area: 160 x 320 cm (63 x 126 in) multi-loading: 70-160 cm (28-63 in) width, for single and double side. 												
Print modes	<table border="1"> <thead> <tr> <th>Mode</th> <th>Up to beds/hr¹</th> </tr> </thead> <tbody> <tr> <td>• POP Production</td> <td>• 45-60</td> </tr> <tr> <td>• HQ POP</td> <td>• 41-53</td> </tr> <tr> <td>• Backlit</td> <td>• 32-39</td> </tr> <tr> <td>• UniText</td> <td>• 33-40</td> </tr> <tr> <td>• UniSample</td> <td>• 24-27</td> </tr> </tbody> </table>	Mode	Up to beds/hr ¹	• POP Production	• 45-60	• HQ POP	• 41-53	• Backlit	• 32-39	• UniText	• 33-40	• UniSample	• 24-27		
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RIP	<ul style="list-style-type: none"> • Software: GrandRIP+ by Caldera¹³ or ONYX Thrive¹⁴ • Input formats: All popular graphic file formats, including PostScript, PDF, EPS, Tiff, PSD, and JPG • Front-end software features: Step-and-repeat, color management and file sizing, cropping, edge-to-edge printing (bleed), saturation control, image 2, hot folder, align to left/right, and multi-sheet 														
Physical characteristics	Dimensions (W x D x H with covers open): 12.8 x 5.2 x 3.4 m (42 x 17.1 x 11.2 ft), Weight: 7700 kg (16,975 lb), including covers and inks cabinet														
Operating environment	Temperature: 17° to 30°C (63° to 86°F), Humidity: 50-60% RH														
Operating requirements	<ul style="list-style-type: none"> • Printer electrical voltage: 3-phase, 3x400VAC ±10%, 50/60Hz ±1Hz • Printer power consumption @50Hz (printing): 32 kW, 58 A • UV electrical voltage: 3 x 380 / 400VAC = ±10%, @ 50Hz ±1Hz 3 x 440 / 480VAC = ±10%, @ 60Hz ±1Hz • UV power consumption: 400V@50Hz: 45 kW, 70 A, 10 480V@60Hz: 48 kW, 62 A 														
Applications	Retail posters, banners and displays, specialty rigid applications, light boxes, POP/POS, double-sided rigid banners, exhibition, event graphics														

Ordering information

Product	• CX109A: HP Scitex 9000 Industrial Press																
Options/upgrades	<ul style="list-style-type: none"> • CP401AA: HP SmartStream Production Analyzer • CP444A: HP Scitex 9000 Footprint Optimizing Kit • CP425A: HP Scitex HDR Folding Hood Upgrade 																
Printheads	• CW980-01008: HDR300 Printhead																
HP HDR245 Scitex Inks	<ul style="list-style-type: none"> • CP836A: HP HDR245 10-liter Cyan Scitex Ink • CP837A: HP HDR245 10-liter Magenta Scitex Ink • CP838A: HP HDR245 10-liter Yellow Scitex Ink 	<ul style="list-style-type: none"> • CP839A: HP HDR245 10-liter Black Scitex Ink • CP840A: HP HDR245 10-liter Light Cyan Scitex Ink 	<ul style="list-style-type: none"> • CP841A: HP HDR245 10-liter Light Magenta Scitex Ink 														
Maintenance	• CP803A: HP MF30 10-liter with Acu Scitex Cleaner		• CN750A MF10 25L Scitex Cleaner														
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⁹ Performance varies by media type. Some plastic media types, such as acrylics, are not compatible. For more information on the performance of HP HDR245 Scitex Inks on various media types, see hp.com/go/mediasolutionslocator.

¹⁰ Best ink adhesion performance is achieved when using fresh pre-treated media with surface energy level >42 dyne/cm. Maximum adhesion may not be obtained until 24 hours after initial curing. The actual level of cure will depend upon ink thickness. For outdoor use, if the print will be exposed to water the use of a protective coating/laminate is recommended.

¹¹ E and EB fluted boards; additional quality flat boards may apply.

¹² Surface and coating properties may pose stacking limitations.

¹³ X-Rite i1 Color for HP—Caldera profiles generated with i1 Profiler.

¹⁴ Onyx Thrive provided in basic configuration (211).

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