

HP Scitex 11000 Industrial Press



Boost your growth with agile and efficient production of short-run sign and display jobs



Produce a wide range of sign and display applications

Grow your business with an industry-proven workhorse delivering high versatility and agility for short-run sign and display printing.

HP HDR245 Scitex Inks for the HP Scitex 11000 Industrial Press have achieved GREENGUARD GOLD Certification³.



Grow your revenues by offering a variety of applications, from in-store and retail signage to displays for sensitive indoor environments. Print on a wide variety of materials, including rigid, flexible, paperboard, and selected plastic substrates. Don't compromise; simply do more.

- Expand your opportunities and grow your profits with application versatility and agility.
- Enjoy robust performance on paperboard and selected plastics, from FPVC to polystyrene¹, with no compromise on productivity, with general-purpose HP HDR245 Scitex Inks.
- Provide low-odor prints² suited to sensitive indoor environments, produced with inks that provide a leading environmental profile³.
- Produce long-lasting signage and displays for stores filled with natural light, with prints that provide up to 24 months fade resistance^{4,5}.
- Achieve both flexibility and surface durability, and help reduce operational costs—additional protective overcoat processes may not be needed.⁶

¹ 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.

² 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.

³ 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.

⁴ 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.

⁵ Fade-resistance testing according to ASTM D2565-99. Tested on 3M self-adhesive vinyl.

⁶ In internal HP testing samples of PWell E/EB Flute corrugated board with Graph+ liner were printed in multiple print modes on HP Scitex Presses using HP HDR245 Scitex Inks, and were tested within 24 hours of printing. Boards were folded once through 180 degrees in one direction to simulate a common finishing stage in printed box production. No cracking of the image layer was observed. Rub resistance was rated greater than 4 on coated media when tested in accordance with ASTM D-5264 on a scale of 1 (poor) to 5 (excellent). Smearing tests demonstrated excellent smear resistance when evaluated by running a one-test cycle using a Taber 5750 Linear Abraser with additional weight of 1350 grams at 25 cycles/minute. Internal HP testing as of January 2016 comparing the rub resistance of HP HDR245 Scitex Inks to leading competitors demonstrated significantly greater surface durability.

Achieve precise print quality for POP/POS

Achieve excellent image quality for eye-catching sign and display prints, with no compromise on speed.

- Harness HP Scitex HDR Technology, using 15 pl, 30 pl, and 45 pl drops that are jetted simultaneously.
- Offer high POP/POS print quality with six colors and small drops delivering smooth tone transitions, sharp text and detail, and a glossy appearance.
- Meet proofing standards according to ISO12647-7.⁷
- Achieve smooth transitions and wide color gamut with up to 86% Pantone® coverage for enhanced print quality.⁸
- Produce high-impact graphics with high gloss and selective gloss using HP HDR Scitex UV-curable inks.

Gain high agility for productive and frequent job changeovers

Produce more jobs every day, with highly efficient media handling, seamless switching between different media, and productive printing on smaller sheets.

- Easily meet market turnaround demands with zero set up and simple operation
- Boost your flexibility and efficiency, with semi-automatic media handling.
- Produce short and ultra-short runs with zero set up, enabling frequent media type and size changeovers.
- Maximize productivity by printing up to 4 sheets simultaneously using the Multi-sheet Loading Table.

Rely on an industry-proven workhorse and a complete solution from a trusted partner

Invest in HP technology that helps you grow your competitive edge. HP tools and support services optimize the performance and efficiency gains enabled by this printer.

- Gain peace of mind with an industrial grade press capable producing up to 150,000 m² (1.61M ft²) per month in your busy periods.
- Benefit from HP's broad portfolio of training, support, and productivity services.
- Thrive with HP global service and support programs offering a wide variety of programs to suit your needs.
- Save time and costs by using HP PrintOS Mobile app and Print Beat to better manage and optimize production across your HP presses and printers

⁷Printed in POP Production gloss mode on CalPaper, validated with the Ugra/Fogra media wedge V3 and IDEAlliance Digital Control Strip 2009. Color verified with Caldera's Print Standard Verifier. Tested January, 2015. Fade-resistance testing according to ASTM D2565-99. Tested on 3M self-adhesive vinyl.

⁸HP HDR245 Scitex Inks color gamut based on December 2015 internal HP testing to 2 dE2000, in HQ POP Gloss mode.



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

2

3

- HP Scitex High Dynamic Range Printing Technology combines the best of both worlds
- Small drops produce high quality
- Large drops produce high productivity

Technical specifications

Productivity	Up to 650 m ² /hr (6997 ft ² /hr) or 127 full-size sheets/hr (On 160 cm x 320 cm (63 in x 126 in) sheets, including a full loading and unloading cycle.)	
Media	<ul style="list-style-type: none"> Handling: Choose between optional single sheet semi-automatic loading and automatic offloading, manual loading and off-loading, optional 4-sheet semi auto feeding and fully automatic offloading into stacks. Partner solution available for automatic loading. Types^{14,15}: Foam PVC, polystyrene (HIPS), fluted polypropylene¹⁰, synthetic paper, paper, foamboard, corrugated cardboard¹⁶ compressed cardboard¹². Size: Rigid and flexible sheets up to 160 x 320 cm (63 x 126 in) Thickness: Up to 25 mm (1 in), Minimum: 0.1 mm Weight for automatic loading: Up to 20 kg (44 lb), weight for manual loading: Up to 40 kg (88 lb) 	
Printing	<ul style="list-style-type: none"> Technology: HP Scitex High Dynamic Range (HDR) Printing Technology Ink types: HP HDR245 Scitex Inks, pigmented UV curable inks, GREENGUARD GOLD Certified³ Ink colors: Cyan, magenta, yellow, black, light cyan, light magenta Low odor—The inks are formulated to produce low-odor prints tested according to the DIN EN 1230-1 standard.² 	<ul style="list-style-type: none"> For indoor applications—HP HDR245 Scitex Inks are UL GREENGUARD GOLD Certified and meet AgBB criteria.⁹ 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) ¾ auto-load and multi-loading: 70-160 cm (28-63 in) width, for single and double side. Manual loading: 70-158 cm (28-62 in) width for single side; 70-152 cm (28-60 in) width for double side 	
Print modes	Mode	Beds per hr³
	<ul style="list-style-type: none"> Sample Text Fast sample High Quality POP POP Production Production Fast Production 	<ul style="list-style-type: none"> 23-32 38-58 44-65 52-78 61-96 72-113 77-127
RIP	<ul style="list-style-type: none"> Software: GrandRIP+ by Caldera¹⁰ or ONYX Thrive¹¹. Optional UniText xx- 51 with ECH & PQ Upgrade 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 with optional multi-sheet loader kit 	
Physical characteristics	Dimensions (W x D x H with covers open): 12.8 m x 6.2 x 3.4 m (42 ft x 20.3 ft x 11.2 ft), Weight: 8185 kg (18,045 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,¹² 480V@60Hz: 48 kW, 62 A 	
Applications	Corrugated displays; Short-run packaging; Specialty rigid applications; Light boxes; POP/POS; POP rigid; Posters; Displays; Double-sided banners; Exhibition, Event graphics; Indoor posters	

Ordering information

Product	• CX102A: HP Scitex 11000 Industrial Press	
Options/upgrades	<ul style="list-style-type: none"> CM111A: HP Scitex Multi-sheet Loader Kit CM110A: HP Scitex ¾ Automated Single-sheet Loader 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 1X10L Cyan Scitex Ink CP837A: HP HDR245 1X10L Magenta Scitex Ink 	<ul style="list-style-type: none"> CP838A: HP HDR245 1X10L Yellow Scitex Ink CP839A: HP HDR245 1X10L Black Scitex Ink CP840A: HP HDR245 1X10L Light Cyan Scitex Ink CP841A: HP HDR245 1X10L Light Magenta Scitex Ink
Maintenance	• CP803A: HP MF30 10-liter with Acu Scitex Cleaner	• CN750A MF10 25L Scitex Cleaner
Service	<ul style="list-style-type: none"> CX102A: HP Scitex 11000 Basic Full Coverage Service CX102A: HP Scitex 11000 Basic Shared Support Package Service 	<ul style="list-style-type: none"> CS034A / CX190-08320: HP Scitex 1x000 Maintenance Kit CS030B / CX190-01441: HP Scitex 1x000 Basic Uptime Kit Mandatory in EMEA, part of the deal

⁷ Printed in POP Production gloss mode on CalPaper, validated with the Ugra/Fogra media wedge V3 and IDEAlliance Digital Control Strip 2009. Color verified with Caldera's Print Standard Verifier. Tested January, 2015. Fade-resistance testing according to ASTM D2565-99. Tested on 3M self-adhesive vinyl.

⁹ HP isn't to be held liable for media type performance, as performance may vary according to media composite and manufacturing process. For optimal adhesion performance a minimum surface tension of 42 dyne/cm is required. Cross-hatch level adhesion tested according to D3359-02 ASTM Standard Test Methods for Measuring Adhesion by Tape. Limitations to media may apply. Please refer to hp.com/go/mediasolutionslocator.

¹⁰X-Rite i1 Color for HP—Caldera profiles generated with i1 Profiler.

¹¹ Onyx Thrive provided in basic configuration (211).

¹²This is the measured average/nominal power consumption while using the default setting of the machine. Should a user raise the default UV power setting, the Nominal power consumption can increase by up to 40%.

¹³Maximum 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

¹⁴Performance 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.

¹⁵Best 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.

¹⁶E and EB fluted boards; additional quality flat boards may apply.

Learn more at
hp.com/go/corrugatedpackaging



Share with colleagues

