Data sheet

HP Scitex 11000 Industrial Press

Gain outstanding versatility and productivity for your high-volume indoor signage and displays

Grow your offering and your business with outstanding versatility and quality to produce a broad range of applications on multiple substrates. Confidently convert more projects to digital with ongoing press enhancements, tools, and support services.

Versatile on so many levels

Work with a press that delivers the best of all worlds. Offering incredible application versatility and agility, you gain flexibility to quickly and cost effectively produce a range of different applications. Don't make sacrifices—simply do more.

- Cost effectively address a wide range of jobs and run lengths—including short runs

- Easily meet market turnaround demands with zero set up and simple operation

- Gain unmatched media versatility—from fiber-based substrates to rigid plastics—with HP HDR250 Scitex inks

- See surface durability and flexibility[1] for enhanced application versatility—HP Scitex Smart Coat Technology

Drive new business opportunities with industrial productivity at high quality.

Industrial productivity—at the quality you need

Profit on a wider range of applications and run lengths with high productivity at the quality you need—enabled by proven HP Scitex HDR printing. Gain surface durability without additional overcoat with HP HDR250 Scitex ink and Smart Coat Technology.

- Do more—production efficiencies provide economics that enable over one million m²/year production capacity.

- Gain capacity with on-press HP Scitex Smart Coat durability that may cut added overcoat equipment and steps.

- Achieve outstanding results rivaling litho quality—enabling economic conversion of litho-lam jobs to digital.

- Now industry-proven, HP Scitex High Dynamic Range (HDR) printing delivers high productivity and quality.

Confidently grow with your digital investment

HP HDR250 Scitex Inks for the HP Scitex 11000 Industrial Press have achieved GREENGUARD GOLD Certification[12].

Invest in technology that helps maintain your competitive edge. HP is always working on product enhancements to evolve your capabilities into the future. HP tools and support services optimize performance and efficiency gains enabled by this printer.

- Work with an ecosystem of HP and partner solutions—from prepress to finishing, management software, services.

- Rely on HP's broad portfolio of training, support, and productivity services.

- Help ensure your press runs smoothly—day after day. Boost uptime and productivity with HP Scitex Print Care.

- Use your HP Scitex press to its fullest with insights gleaned from HP SmartStream Production Analyzer.

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 Smart Coat Technology[1]

HP Scitex Smart Coat Technology is an innovative ink layering technology that achieves exceptional surface durability AND flexibility.

Providing exceptional surface durability without compromising on flexibility, HP Scitex Smart Coat Technology is an innovative ink layering technology that may eliminate the need for an extra overcoat process step that can also compromise flexibility and limit application range. The ink provides excellent adhesion and rub resistance[1] and with a more efficient workflow, users get greater versatility to meet the needs of a wide range of applications produced with HP Scitex High Dynamic Range (HDR) Printing Technology.

6 color printing

CMYK   Light Cyan / Light Magenta

HP Scitex Smart Coat Layer

White Media

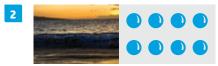## HP Scitex High Dynamic Range (HDR) Printing Technology

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]In internal HP testing performed in January 2015, samples of PWell E-Flute corrugated board with Graph+ liner were printed in "Corrugated appearance" on an HP Scitex 11000 Industrial Press using HP HDR250 Scitex Inks with HP Scitex Smart Coat Technology turned ON and were tested within 72 hours of printing. Boards were folded once through 180 degrees to simulate a common finishing stage in printed box production. No cracking of the image layer was observed. Rub resistance was rated greater than 3 when tested in accordance with ASTM D-5264 on a scale of 1 (poor) to 5 (excellent). Cross-hatch level adhesion was obtained in Fast Production, Production, POP Production, HQ POP, and Sample print modes according to D3359-02 ASTM Standard Test Methods for Measuring Adhesion by Tape. 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. When the HP Scitex Smart Coat feature is turned ON, an additional ink layer is printed, resulting in lower throughout and higher ink usage. The impact is print mode and image dependent.

1

2

3

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

Technical specifications

Productivity	Up to 650 m²/hr (6997 ft²/hr) or 127 full-size sheets/hr ²
Media	• Handling: Choose between optional sheet-to-sheet ¾-automatic loading, semi-automatic, and manual loading and unloading, or up to 4-sheet simultaneous printing with optional multi-sheet loader kit. Partner solution available for automatic loading. • Types³: Acrylics, foam PVC, PVC sheets, polystyrene (HIPS), fluted polypropylene, polycarbonate, polyethylene, polypropylene, synthetic paper, SAV,⁴ paper, foamboard, corrugated cardboard,⁵ compressed cardboard,⁶ and others • Size: Rigid and flexible sheets up to 160 x 320 cm (63 x 126 in) • Thickness: Up to 25 mm (1 inch), 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	• Technology: HP Scitex High Dynamic Range (HDR) Printing Technology • Ink types: HP HDR250 Scitex Inks, pigmented UV curable inks, GREENGUARD GOLD Certified¹² • Ink colors: Cyan, magenta, yellow, black, light cyan, light magenta • Color standards: HP HDR250 Scitex Inks meet proofing standards according to ISO12647-7⁷ • Printheads: Total 312 HP Scitex HDR300 Printheads (52 per color) • 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 hr²
	• Sample	• 23-32
	• Text	• 38-58
	• Fast sample	• 44-65
	• High Quality POP	• 52-78
	• POP Production	• 61-96
	• Production	• 72-113
	• Fast Production	• 77-127

RIP	• Software: GrandRIP+ by Caldera⁸ or ONYX Thrive⁹ • 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 x 6.2 x 3.4 m (42 x 20.3 x 11.2 ft.), Weight: 8185 kg (18045 lbs.), including covers and inks cabinet
Operating environment	Temperature: 17° to 30°C (63° to 86°F), Humidity: 50-60% RH
Operating requirements	• 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	Corrugated displays; Short-run packaging; Specialty rigid applications; Light boxes; POP/POS; POP rigid; Posters; Directional rigid signage; Displays; Double-sided banners; Exhibition, Event graphics; Indoor posters

Ordering information

Product	• CX102A: HP Scitex 11000 Industrial Press
Options/upgrades	• CM111A: HP Scitex Multi-sheet Loader Kit • CM110A: HP Scitex ¾ Automated Single-sheet Loader • CP401AA: HP SmartStream Production Analyzer
Printheads	• CW980-01008: HDR300 Printhead
HP HDR250 Scitex Inks¹¹	• CP829A: HP HDR250 10-liter Magenta Scitex Ink • CP831A: HP HDR250 10-liter Black Scitex Ink • CP830A: HP HDR250 10-liter Yellow Scitex Ink • CP832A: HP HDR250 10-liter Light Cyan Scitex Ink • CP833A: HP HDR250 10-liter Light Magenta Scitex Ink • CP834A: HP HDR250 10-liter Cyan Scitex Ink
Maintenance	• CP803A: HP MF30 10-liter with Acu Scitex Cleaner • CN750A MF10 25L Scitex Cleaner
Service	• HA151AC: HP Full Coverage Maintenance Support Contract • HA965AC: HP Shared Maintenance Support Contract • HK951AC: HP Printhead Allowance Service (Optional Extended Coverage) • CS033A / CX190-02660 - HP Scitex 15500-11000 Comprehensive UTK • CS034A / CX190-01730 - HP Scitex 15000-10000 Printer Maintenance Kit • CS030A: HP Scitex FB10000 Standard Uptime Kit Mandatory in EMEA, part of the deal

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² On 160 x 320-cm (63 x 126-inch) sheets, including a full loading and unloading cycle.
³ 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.
⁴ High color density and varnish overcoating may affect SAV flexibility.
⁵ E and EB fluted boards; additional quality flat boards may apply.
⁶ Surface and coating properties may pose stacking limitations.
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.
⁸ X-Rite i1 Color for HP—Caldera profiles generated with i1 Profiler.
⁹ Onyx Thrive provided in basic configuration (211).

¹⁰ This 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%.
¹¹ HP HDR230 Scitex Inks are also available with the HP Scitex 11000 Industrial Press. To learn more refer to hp.com/go/scitex
¹² 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

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