



HP Scitex 17000 Corrugated Press

Reduce costs and grow, by delivering high productivity and quality for corrugated displays and POS Graphics



Drive down costs with an industry proven, high-productivity press for corrugated displays, POS graphics and short run packaging, and increase your business and profit potential.

HP HDR230 Scitex Inks for the HP Scitex 17000 Corrugated Press have achieved GREENGUARD GOLD Certification.¹



Efficiently produce high volumes of short runs

Make easy work of traditionally challenging short-run jobs, using this robust, high capacity digital press. With fast and efficient digital post-print production, effective hold-down of corrugated boards, hands-free operation, automated feed, and zero setup, you can take on more jobs and do more in a day, every day.

- Print at up to 200 beds per hour (BPH) or 1000 m²/hr (10,764 ft²/hr).
- Maximize productivity with multi-sheet printing, up to 4-up.
- Overcome the challenges of printing on warped boards, with HP Corrugated Grip technology keeping media flat for high-quality, productive printing.
- Benefit from embedded stack-to-stack automation, enabling you to produce up to 2M m² (21.53M ft²) a year on a single press.

¹ 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.



Produce varied POP/POS graphics, displays, and packaging applications

Expand your addressable market with a versatile press and dedicated inks optimized for printing on corrugated boards.

- Offer super-wide format printing up to 1.6 m x 3.2 m (63 in x 126 in).
- Print on corrugated cardboard in varied flute thicknesses and sizes.
- Benefit from highly flexible, low-odor², high-durability inks that meet certification requirements for sensitive indoor applications.

Differentiate your business with high print quality for POP/POS

Print corrugated materials at high speed and achieve the quality you need. By design, HP Scitex High Dynamic Range (HDR) Technology, enables both speed and quality.

- Harness HP Scitex HDR Technology, using 15 pl, 30 pl, and 45 pl drops that are jetted simultaneously, to provide high print quality at high speed.
- Benefit from four-color, UV-curable HP HDR Scitex Inks, delivering a wide color gamut, sharp text and detail, and high-density, glossy solids.
- Accommodate changing client requirements, with on-the-fly control of gloss levels and color saturation.

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

Going digital has never been so easy. This press fits easily into your existing environment. Plus, HP offers end-to-end solutions, including prepress and workflow support, a broad services package, and management tools that help optimize performance.

- 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.
- Meet your commitments with confidence, with a highly reliable digital press built for high-capacity production.
- Enjoy high press uptime, with dependable performance and fast and easy maintenance.
- Ease your transition to digital printing with a press that integrates easily into existing environments, with stack-to-stack operation and similar finishing processes.
- Thrive with HP global service and support programs offering a wide variety of programs to suit your needs, wherever you are.
- Optimize press performance with HP Scitex Print Care andn HP SmartStream Production Analyzer.

²HP HDR230 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 intended to come into contact with foodstuffs. Print odor is rated on a scale of 0 (no perceptible odor) to 4 (strong odor). Print odor with HP HDR230 Scitex Inks at POP Production is rated 1-2 for prints produced in matte mode. Odor test results validated by internal HP testing.

HP HDR230 Scitex Inks have been independently tested by **Papiertechnische Stiftung (PTS)** for **Deinking and Recyclability** and are certified per **INGEDE Method 11**.³



HP Scitex Corrugated Grip

Print on industrial-grade standard boards — and help save time and cost

The HP Scitex Corrugated Grip overcomes the challenges of printing on warped corrugated boards. It easily handles boards with a warp of up to 40 millimeters, automatically flattening it and holding it down throughout the printing process. The loading table is covered by suction mat segments, positioned to ensure effective hold-down of boards with varied dimensions.

HP HDR230 Scitex Inks

New economies for high-end digital corrugated printing

HP HDR230 Scitex Inks, designed together with the HP Scitex 17000 Corrugated Press, are optimized for economic printing on paper boards. The ideal fit for corrugated applications, these inks provide leading flexibility, rub resistance, and surface durability⁴, and enable high throughput on a range of rigid substrates. Low-odor prints¹ are tuned for indoor use¹

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 corrugated displays and high-impact graphics in packaging applications.

³ Prints made with HP HDR230 Scitex Inks on Ekman GMWM130, 130 g/m² coated media have been independently tested by Papiertechnische Stiftung (PTS) and have been certified as having “Good Deinkability” according to the European Recovered Paper Council (ERPC 2009) Deinking Scorecard and INGEDE Method 11 (PTS Test Report No. 20874-2, May 2015). In addition, prints made with HP HDR230 Scitex Inks on PWell E-Flute corrugated board with Graph+ liner media have been independently tested by Papiertechnische Stiftung (PTS) per the PTS-RH 21/97 method for recyclability and are considered “conditionally recyclable,” which can be effectively improved by dispersion (PTS Test Report No. 20874-1, May 2015).

⁴ In internal HP testing performed in January 2015, samples of PWell E-Flute corrugated board with Graph+ liner were printed in POP Production in “Corrugated appearance” on an HP Scitex Press with HP Scitex High Dynamic Range (HDR) Printing Technology using HP HDR230 Scitex Inks and were tested within 72 hours of printing. Boards were folded once through 180 degrees to 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 March 2015 comparing the rub resistance of HP HDR230 Scitex Inks to leading competitors demonstrated significantly greater surface durability.



Technical specifications

Productivity	Up to 1000 m ² /hr (10764 ft ² /hr) or 200 full-size sheets/hr ⁵			
Media	<ul style="list-style-type: none"> • Handling: Automatic up to 4-sheet simultaneous printing width for 1 sheet 700 to 3200 mm; width for 2 sheets 1020 to 1550 mm; width for 3 sheets 758 to 1020 mm and width for 4 sheets 700 to 758 mm. The length for all loading options is 1000 to 1600 mm • Types:⁶ Using automatic loader: Corrugated boards⁷ • Maximum size: 160 x 320 cm (63 x 126 in) for both automatic loader and manual loading • Thickness: Up to 25 mm (1 in), Minimum: 0.8 mm • Weight for automatic loading: Up to 12 kg (26 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 HDR230 Scitex Inks, pigmented UV-curable inks • Printheads: Total 416 HP Scitex HDR300 Printheads (104 per color) 		<ul style="list-style-type: none"> • Ink colors: Cyan, Magenta, Yellow, Black • Color standards: HP HDR230 Scitex Inks meet validation print standards according to ISO12647-8⁸ 	
Print modes	Mode	Beds/hr (up to)⁹	m²/hr	ft²/hr
	• Sample	• 90	• 460	• 4950
	• Display	• 125	• 640	• 6888
	• Packaging	• 170	• 870	• 9364
	• Draft	• 200	• 1000	• 10764
RIP	<ul style="list-style-type: none"> • Software: GrandRIP+ by Caldera¹⁰ or ONYX Thrive¹¹ • 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, edge-to-edge printing (bleed), selective gloss, hot folder, align to left/right and automatic multi-sheet 			
Physical characteristics	Dimensions (W x D x H with covers open): 12.8 m x 6.7 m x 3.4 m (42 ft x 22 ft x 11.2 ft), Weight: 8500 kg (18,740 lb), including covers and IDS 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: 3x400VAC ±10%, 50/60Hz ±1Hz • Printer power consumption @50Hz (printing): 32 kW, 58 A and @60Hz (printing): 37kW, 60 A • UV arc system electrical voltage: 3 x 380 / 400VAC ±10%, @ 50Hz ±1Hz 3 x 440 / 480VAC ±10%, @ 60Hz ±1Hz • UV arc system power consumption: 400V@50Hz: 45 kW, 70 A,¹² 480V@60Hz: 48 kW, 62 A • UV LED system electrical voltage: 3 x 400VAC ±10%, @ 50/60Hz ±1Hz • UV LED system power consumption: 400V@50/60Hz: 21 kW, 31 A 			
Applications	Corrugated displays; Floor displays; Counter tops; Advertising standees; Retail ready packaging; High graphics corrugated packaging			

Ordering information

Product	• CX120A: HP Scitex 17000 Corrugated Press		
Options/upgrades	• CP421A: HP Scitex Ball Transfer Table Kit	• CP401AA: HP SmartStream Production Analyzer	
Printheads	• CW980-01008: HDR300 Printhead		
HP HDR230 Scitex Inks	• CP814A: HP HDR230 10-liter Cyan Scitex Ink	• CP816A: HP HDR230 10-liter Yellow Scitex Ink	• CP817A: HP HDR230 10-liter Black Scitex Ink
	• CP815A: HP HDR230 10-liter Magenta Scitex Ink		
Maintenance	• CP803A: HP MF30 10-liter with Acu Scitex Cleaner	• CN750A MF10 25L Scitex Cleaner	
Service	• CX120A: HP Scitex 17000 Basic Full Coverage Service	• CS043A / CX190-05370: HP Printer Maintenance Kit	
	• CS042A: HP Standard Uptime Kit	• CS031A: HP Comprehensive Uptime Kit	

⁵ On 160 cm x 320 cm (63 in x 126 in) sheets, including a full loading and unloading cycle.

⁶ 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.

⁷ All types of corrugated cardboard of any flute size, Foam Board, Folding Carton and Compress Cardboard from 0.8 to 25mm.

⁸ Printed in Production WG print mode in gloss on P-Well E-Flute coated media, validated with the Ugra/Fogra media wedge V3 and IDEAlliance Digital Control Strip 2009. Color verified with Caldera's Print Standard Verifier. Tested June, 2015.

⁹ Calculation based on full-size bed loading of 1.60 x 3.2 m substrates.

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

¹¹ Onyx Thrive provided in basic configuration (211).

¹² 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%.

Learn more at
hp.com/go/corrugatedpackaging



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