# HP Scitex 15500 Corrugated Press

## Digitally print corrugated applications that grow your business—and profit potential



**Designed specifically for corrugated converters that produce temporary displays, permanent displays, retail-ready packaging, and other short-run corrugated applications.**

## Produce higher volumes of short runs—at a low cost

Quickly turn around corrugated jobs. With cost-effective inks and a media handling system that enables printing on severely warped media, you can improve margins—and the break-even point. Compelling economics help you convert more pages to digital.

- Improve conversion, breakeven—we can help profitably convert over one million m²/year—at 1,000 pieces per order.

- Smooth operation on industrial-grade standard board—HP Scitex Corrugated Grip handles severely warped media.

- Save time and labor—hands-free and stack-to-stack operation, auto loading, zero setup, print direct to board.

- HP HDR230 Scitex Inks are designed for economical corrugated printing on paper board media.

**Digitally print corrugated applications that grow your business—and profit potential.**



## Grow your business—add high-value corrugated applications

Expand your portfolio and offer your customers more. This HP Scitex press enables you to print high quality graphics on a wide range of corrugated media. Take advantage of the opportunity to grow your business with additional capabilities.

- Meet customer demands. Produce the superb quality needed for high quality graphics boxes and displays.
- Print on a wide range of corrugated media, including industrial-grade media, with HP Scitex Corrugated Grip.
- HP HDR230 Scitex Inks are designed for high-value, low odor[1] prints for indoor corrugated applications like counter displays and free standing display units.
- Benefit from HDR: automatically use small ink drops for quality, large drops for speed—all on the same print.

## Confidently grow with your digital investment

Going digital has never been so easy. HP offers end-to-end solutions, including prepress and workflow support, a broad services package, and management tools that help optimize performance. Built-in upgradeability protects your investment.

- Rest assured your digital investment is protected with a press that's fully upgradeable.
- 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.
- Optimize press performance—HP Scitex Print Care and 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

[1]HP 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 Scitex Ballbearing**
This optional element allows sliding stacks of media onto the autoloader's elevator and easy adjustment of the stacks sideways.



## HP Scitex Corrugated Grip

**Print on industrial-grade standard boards – and save time and cost**
The HP Scitex Corrugated Grip overcomes the challenges of printing on severely 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 with 128 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 15500 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 durability[2], and enable high throughput on a range of flexible and rigid substrates. Low-odor prints[1] are tuned for indoor use.

## 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.

[2] 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 11000 Industrial Press 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.



1 Small drops produce high quality

2 Large drops produce high productivity

3 HP Scitex HDR Printing Technology combines the best of both worlds

# Technical specifications

| | |
|---|---|
| **Productivity** | Up to 650 m²/hr (6997 ft²/hr) or 127 full-size sheets/hr[3] |
| **Media** | • Handling: Choose between automatic up to 4-sheet simultaneous printing, and manual loading and unloading<br>• Types:[4] Using Automatic loader: Corrugated boards and rigid paper base substrates from 0.8mm<br>• Size: 160 x 320 cm (63 x 126 in) for automatic loader<br>• Thickness: Up to 25 mm (1 inch), Minimum: 0.8 mm<br>• Weight for automatic loading: Up to 12 kg (26 lb) |
| **Printing** | • Technology: HP Scitex High Dynamic Range (HDR) Printing Technology with dynamic dot size control of multiple drop volumes (15, 30, 45 pl)<br>• Ink types: HP HDR230 Scitex Inks, pigmented UV-curable inks<br>• Ink colors: Cyan, magenta, yellow, black, light cyan, light magenta<br>• Ink llightfastness: Up to 24 month indoors (12) Up to 3 months outdoors (behind glass)[11]<br><br>• Color standards: HP HDR230 Scitex Inks meet proofing standards according to ISO12647-7[5]<br>• Printheads: Total 312 HP Scitex HDR300 Printheads (52 per color)<br>• Printable area: 160 x 320 cm (63 x 126 in) Multi-loading: Single and double side 100-160 cm (39-63 in) |

| **Print modes** | Mode | Beds/hr (Up to)[6] |
|---|---|---|
| | • Sample | • 23-32 |
| | • Text | • 38-58 |
| | • High Quality POP | • 52-78 |
| | • POP Production | • 61-96 |
| | • Production | • 72-113 |
| | • Fast production | • 77-127 |

| | |
|---|---|
| **RIP** | • Software: GrandRIP+ by Caldera[7] or ONYX Thrive[8]<br>• Input formats: All popular graphic file formats, including PostScript®, PDF, EPS, Tiff, PSD, and JPG<br>• Front-end software features: Step-and-repeat, color management and file sizing, cropping, edge-to-edge printing (bleed), saturation control, slow loading speed, image 2, hot folder, align to left/right, and automatic multi-sheet |
| **Physical characteristics** | Dimensions (W x D x H with covers open): 12.8 x 6.7 x 3.4 m (42 x 22 x 11.2 ft.), Weight: 8500 kg (18740 lbs.), including covers and IDS 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<br>• Printer power consumption @50Hz (printing): 32 kW, 58 A<br>• UV electrical voltage: 3 x 380 / 400VAC = ±10%, @ 50Hz ±1Hz  |  3 x 440 / 480VAC = ±10%, @ 60Hz ±1Hz<br>• UV power consumption: 400V@50Hz: 45 kW, 70 A,[9] 480V@60Hz: 48 kW, 62 A |
| **Applications** | Corrugated hanging displays; Floor displays; Power wings; Counter tops; Corrugated advertising standees; Retail ready packaging; High graphic corrugated packaging |

# Ordering information

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|---|---|
| **Product** | • CX112A: HP Scitex 15500 Corrugated Press |
| **Options/upgrades** | • CP421A: HP Scitex 15000 Ball Transfer Table Kit |
| **Printheads** | • CW980-01008: HDR300 Printhead |
| **HP HDR230 Scitex Inks[10]** | • CP814A: HP HDR230 10-liter Cyan Scitex Ink<br>• CP815A: HP HDR230 10-liter Magenta Scitex Ink<br>• CP816A: HP HDR230 10-liter Yellow Scitex Ink<br><br>• CP817A: HP HDR230 10-liter Black Scitex Ink<br>• CP818A: HP HDR230 10-liter Light Cyan Scitex Ink<br>• CP819A: HP HDR230 10-liter Light Magenta Scitex Ink |
| **Maintenance** | • CP803A: HP MF30 10-liter with Acu Scitex Cleaner<br><br>• CN750A MF10 25L Scitex Cleaner |
| **Service** | • CS037A / CX190-03690 - HP Scitex 15000 Basic Uptime Kit<br>• CS032A / CX190-02640 - HP Scitex 15000-10000 Extended UTK<br>• U3RJ9E - HP Ramp-Up Service<br>• H4K80S - HP Scitext Level 2 Operator Training<br><br>• CS033A / CX190-02660 - HP Scitex 15000-10000 Comprehensive UTK<br>• CS034A / CX190-01730 - HP Scitex 15000-10000 Printer Maintenance Kit<br>• HP Scitex Corrugated Grip – Suction mat segments and adhesives |

[3] On 160 x 320-cm (63 x 126-inch) sheets, including a full loading and unloading cycle.

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

[5] 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.

[6] Calculation based on full-size bed loading of 1.60 x 3.2 m (5 x 10 ft) substrates.

[7] X-Rite i1 Color for HP—Caldera profiles generated with i1 Profiler.

[8] Onyx Thrive provided in basic configuration (211).

[9] 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%.

[10] HP HDR250 Scitex Inks are also available with the HP Scitex 15500 Corrugated Press. To learn more refer to hp.com/go/scitex

[11] Indoors: ANSI/ISO IT9.9-1996 (following the Henry Wilhem method). An Indoor Light Fastness predictions done using a light exposure chamber and illumination from bare-bulb fluorescent lamps (with no glass or plastic sheet between the lamps and prints) at office ambient temperature and humidity.

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