HP Scitex Flexible Media Loading Kit

For the HP Scitex 17000 Corrugated Press

Fully automated, fast, high-quality sign and display production

The HP Scitex Flexible Media Loading Kit is an automated media handling option for the HP Scitex 17000 Corrugated Press. It expands your production capabilities and empowers you to produce outdoor and indoor signage and display applications with higher print quality at a fast production speed, and with a new level of cost-effectiveness. With the HP Scitex Flexible Media Loading Kit you can print on both flexible and rigid paper-based media, using the same high-productivity press.

The ability to print in high quality on a wide range of flexible and rigid paper-based media and to produce low-odor prints[1] that fit sensitive spaces enables you to offer a broad range of applications to existing and new customers. Whether it's outdoor signage applications such as Citylight, bus shelter, bus side, and billboard applications, or indoor applications such as metro signage POP/POS posters and free-standing display units, you can do more for your customers and your business.

Enhance your production capacity

Print flexible sheets at up to 800 m²/hr (8611 ft²/hr) to produce up to 360 billboard coupons or 240 Citylight or bus shelter sheets per hour.[2] Take your print productivity even higher when printing on rigid substrates, with a top print speed of 1000 m²/hr (10,764 ft²/hr) or 200 full-size beds per hour. These high print speeds, combined with automated stack-to-stack operation and automated single or multi-sheet-sheet loading, deliver a robust duty cycle of up to 2 million m²/yr (6.6 million ft²/yr). With this solution designed for high-volume printing, you can produce longer print runs with minimal intervention, and enjoy enhanced productivity and a higher breakeven point.

Sharpen your print quality for outdoor and indoor applications

HP Scitex High Dynamic Range (HDR) Technology, featuring dynamic drop-sizes and up to 16 gray-levels, enables you to confidently produce high-quality prints that meet varied application requirements, with smooth solids and tone transitions, sharp text, and fine detail. HP HDR245 Scitex Inks provide a leading environmental profile, producing low-odor prints and delivering high surface durability and outdoor light fastness.[3] The inks are UL GREENGUARD GOLD Certified and meet AgBB criteria for indoor applications.[4]

Print cost-effectively

Bring a new level of efficiency to your print production, with 4-color HP HDR245 Scitex Inks that are optimized for high-volume production and economic printing. High-speed printing with multi-sheet, stack-to-stack automation reduces manufacturing costs and boosts print capacity.

Key specifications and performance parameters

Inks	**HP HDR245 Scitex Inks** • Optimized for HP Scitex High Dynamic Range printing • Meet ISO validation standard according to ISO12647-8 • Formulated to produce low-odor prints tested according to the DIN EN 1230-1 standard[1] • UL GREENGUARD GOLD Certified, meet AgBB criteria[4] • Provide up to 24 months fade resistance under outdoor lighting conditions[5]
Media types	**Flexible and rigid substrates**, including paperboard, white-back and blue-back paper, from 115 gsm and up, and corrugated cardboard.[6] Limitations: Flexible media loading requires de-installation of the HP Scitex Corrugated Grip mats, reducing corrugated board hold-down and warp handling capabilities.
Print alignment (Y and X)	Alignment registration ±0.6mm at 3.2m (±0.024 in at 10.5 ft) long substrate
Unload stack alignment	Up to ±2mm (±0.08 inches) (X,Y).
Single load	Requires some manual setup (~5 minutes per change) for a number of media sizes.
Multi-load	• **Rigid:** 1, 2, 3 and 4-up • **Flexible:** 1, 2 and 3-up Some manual setup is required (~5 minutes per change).
Maximum printing speed	• **Rigid substrates** - Up to 1000 m²/hr (10,764 ft²/hr) or 200 full-size sheets/hr (same as standard HP Scitex 17000 Corrugated Press) • **Flexible substrates approximate throughput**[7]
Loader operation GUI	Done from software utility external to the main GUI.

Mode	Beds/hr	m²/hr	ft²/hr
Sample	90	450	4844
Display	125	625	6725
Packaging	160	800	8608

Ordering information

CP441A	**HP Scitex Flexible Media Loader Kit**
HP HDR245 Scitex Inks	
CP836A	HP HDR245 1X10L Cyan Scitex Ink
CP837A	HP HDR245 1X10L Magenta Scitex Ink
CP838A	HP HDR245 1X10L Yellow Scitex Ink
CP839A	HP HDR245 1X10L Black Scitex Ink

[1] 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 is rated 1-2 for prints produced in matte mode. Odor test results validated by internal HP testing.

[2] Billboard coupons: 1 m x 1.5 m (3.3 ft x 4.9 ft); bus shelter sheets: 1.2 m x 1.6 m (3.9 ft x 5.2 ft).

[3] In internal HP testing performed in December 2015 and January 2016, samples of PWell E/EB Flute corrugated board with Graph+ liner were printed Matte and Gloss, on HP 17000 Corrugated Presses with HP Scitex High Dynamic Range (HDR) Printing Technology using HP HDR245 Scitex Inks and were tested within 24 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 January 2016 comparing the rub resistance of HP HDR245 Scitex Inks to leading competitors demonstrated significantly greater surface durability.

[4] 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. 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] 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.

[7] Throughput may vary according to specific media type and dimensions.

Learn more about the HP Scitex 17000 Corrugated Press at
hp.com/go/Scitex

Sign up for updates
hp.com/go/getupdated

Share with colleagues

Rate this document