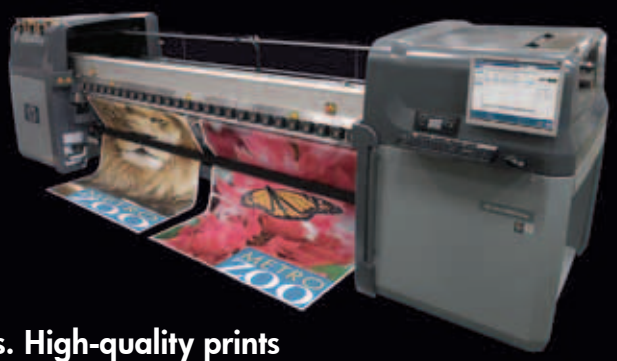
HP SCITEX LX800 PRINTER



Expand your reach with stunning outdoor/indoor applications. High-quality prints are delivered at true production speed with a 126-in (3.2 m) printer that also speeds up your workflow and cuts costs. Attract environmentally conscious customers.

EXPAND YOUR OUTDOOR/INDOOR APPLICATION VERSATILITY

- Choose from a wider range of media now that you can print directly on vinyl, wallpaper, and polyester fabrics including unlined flags among others. The ink collector kit eliminates the need for a liner.[1] Offer clients more at a lower cost to you.
- Do more with this printer and quickly see a return on your investment. Produce applications that generate higher profits like POP displays, light boxes, soft signage[2], customized wall paper and other interior decorations, and vehicle wraps.
- Achieve outstanding image quality. This six-color printing system with HP Latex Inks produces a wide color gamut—comparable to low-solvent ink technology[3]—for rich hues and vibrant tones. Print up to 4 pt text with 1200 dpi resolution.
- Outdoor prints achieve display permanence up to three years unlaminated, up to five years laminated[4]; indoor prints up to five years unlaminated, up to ten years laminated.[5] Scratch, smudge, and water resistance is comparable to low-solvent inks.[4]

SEE STUNNING IMAGE QUALITY AND HIGH PRODUCTIVITY

- Deliver stunning quality at production speed—see high-impact POP prints at up to 45 m²/hr and light boxes and indoor soft signage[2] at up to 27 m²/hr. Automatically achieve high image quality and consistency with the HP Optical Media Advance Sensor (OMAS).
- Unattended productivity: Print 2 rolls side by side at once. Reduce printing interruptions with roll-to-free fall and roll-to-collector capabilities that let you print and finish simultaneously. Prints come out completely dry and ready for lamination.
- Reduce maintenance with automatic printhead testing and servicing.[6] Avoid the delay of a service call with user-replaceable printheads. Produce consistent colors with automatic color calibration using the embedded spectrophotometer.
- Work with an HP technician[7] for remote maintenance assistance to maximize uptime. With HP Scitex Print Care tools and services, use production and job cost information that can help you improve efficiency and reduce waste and costs.

DIFFERENTIATE, WIN NEW BUSINESS, ENABLE NEW PROFIT

- Consider the profit potential—you can reduce waste disposal and equipment costs. Water-based HP Latex Inks have no hazard warning labels, no HAPs[8], and are non-flammable and non-combustible.[9] No special ventilation[10] or external dryer is required.
- Produce prints ideal for indoor areas where odor is a concern. Produce odorless[11] HP Latex Ink prints—a clear advantage over prints produced with low-solvent inks—and attract environmentally conscious customers.
- Offer new value and win new business. HP offers 7 recyclable media, including HP HDPE Reinforced Banner, and the HP media take-back program.[12] You can also choose from a range of PVC-free alternatives and return and recycle HP Wide Scan Printheads.[13]
- Print with HP Latex Inks on HP PVC-free Wall Paper and offer odorless[11] indoor wall decorations that meet GREENGUARD criteria for low emitting products.[14] HP Latex Inks also meet the chemical requirements of the Nordic Ecolabel (Nordic Swan) for printing companies.

ecoHIGHLIGHTS

HP Scitex LX800 Printer

ECO INFORMATION

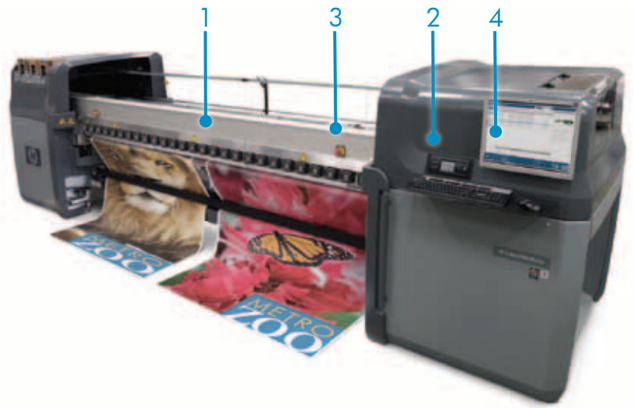
- Water-based HP Latex Inks—no hazard warning labels, no HAPs[1]
- Odorless prints;[2] printed HP wall paper meets GREENGUARD criteria[3]
- No special ventilation required[4]
- Range of recyclable HP media with a take-back program[5]

[1] Contains no detected Hazardous Air Pollutants according to EPA Method 311.
[2] Some substrates may have an inherent odor.
[3] HP PVC-free Wall Paper printed using HP Latex Inks meets GREENGUARD criteria for low emitting products.
[4] Special ventilation is not required to meet US OSHA requirements on occupational exposure to VOCs from HP Latex Inks. Special ventilation equipment installation is at the discretion of the customer—no specific HP recommendation is intended. Customers should consult state and local requirements and regulations.
[5] Program availability varies. Please check **www.hp.com/recycle** for details.

www.hp.com/ecosolutions
www.hp.com/recycle

Please recycle your printing hardware and supplies.
Find out how at our website.

HP SCITEX LX800 PRINTER



HIGH PRODUCTIVITY. HIGH QUALITY.

1. WIN BUSINESS WITH FASTER TURNAROUND TIMES

HP Latex Inks are completely dried inside the printer to form a durable film on the print medium. Prints come off the printer dry so you can move right on to lamination, finishing, shipping, or display.

2. SAVE TIME WITH USER-REPLACEABLE PRINTHEADS

- The HP Scitex LX800 Printer is designed to save you time and keep you productive. Avoid the delay of a service call with user-replaceable printheads. Automatic printhead testing and servicing systems reduce manual maintenance and enable reliable unattended printing.
- HP Wide Scan Printing Technology delivers high image quality at high print speeds. HP Wide Scan Printheads have been designed together with HP Latex Inks for low user maintenance, reliable performance, and maximum productivity.

3. ATTRACT CUSTOMERS WITH STUNNING IMAGE QUALITY

- The HP Optical Media Advance Sensor (OMAS) automatically achieves high image quality and consistency with accurate media advance between wide print swaths.
- The printer uses an embedded spectrophotometer to automatically scan a printer-generated color target, measure its properties, then make and record any corrections. This allows for fully automated color calibration.

4. IMPROVE YOUR WORKFLOW

Experience a more efficient workflow with the HP Internal Print Server, which enables independent print queue management and manual nesting.

INCREASE YOUR PRODUCTIVITY WITH EFFICIENT WORKFLOW SOLUTIONS

UNATTENDED PRODUCTIVITY

Roll-to-free fall

Dual roll-to-free fall

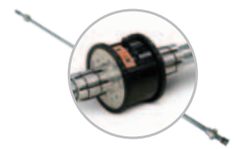
Roll-to-collector

Dual roll-to-collector

Reduce printing interruptions with roll-to-free fall and roll-to-collector capabilities that let you print and finish simultaneously. Prints come out completely dry and ready for lamination.

SPEED UP YOUR RETURN ON INVESTMENT

Take advantage of the in-box 126-in Dual Roll Kit that enables you to increase speed, output, and total productivity. Print two different jobs at the same time with a kit that accommodates rolls of varying widths and lengths.



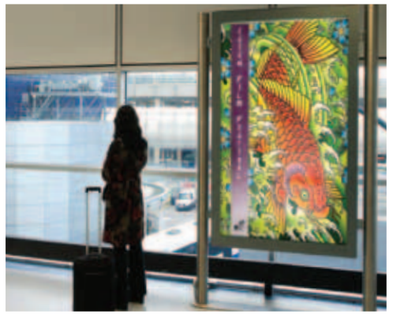
INCREASE APPLICATION FLEXIBILITY AND REDUCE YOUR COSTS

You can print directly on vinyl, wallpaper, and polyester fabrics including unlined flags among others. The ink collector kit eliminates the need for a liner.[1] Offer clients more at a lower cost to you.

POINT OF PURCHASE POSTERS

Reduce costs without compromising quality

- Print on low-cost uncoated papers – With HP Latex Inks, you can print on uncoated papers, and reduce your media costs by up to 30%. Solvent printers require more expensive coated papers to achieve the same results.
- Achieve excellent image quality – Produce prints with high resolution up to 1200 dpi, wide gamut and saturated colors, suitable for both long- and short-distance viewing.



LIGHT BOXES

Deliver vibrant, saturated colors at high productivity

- Achieve excellent image quality – Produce high-resolution prints up to 1200 dpi, with dense, saturated colors that stand up to close inspection.
- Eliminate drying time – Prints are fully dried inside the printer, allowing you to deliver immediately. With water-based, solvent or Lambda technologies, you need to leave prints to fully dry before packing or mounting.
- Print on lower cost films – With HP Latex Inks, you can print on uncoated polyester films, with excellent image sharpness. Water-based and Lambda technologies require more expensive films.

SOFT SIGNAGE[2]

Complement your business without losing versatility

- Print on lower-cost uncoated polyester fabrics[2] – With HP Latex Inks, you can print on uncoated polyester fabrics with excellent image sharpness, and save up to 30% on substrate costs. Solvent printers require more expensive coated fabrics to achieve the same image quality results.
- Print direct to fabric – With HP Latex Inks, you can print directly onto the fabric in a simple, one step process. Dye sublimation printing requires additional dye transfer equipment, transfer paper and a more complex two step process.

WALL COVERINGS

Discover a new market opportunity

- Create odorless prints[11] – Prints produced with HP Latex Inks are odorless, making them ideal for any location where odor is a concern. Great news for wall coverings and wall papers, which cover a large surface, and where any odor would be immediately noticeable.
- Print with HP Latex Inks on HP PVC-free Wall Paper and offer odorless indoor wall decorations that meet GREENGUARD criteria for low emitting products.[14] HP Latex Inks also meet the chemical requirements of the Nordic Ecolabel (Nordic Swan) for printing companies.

VEHICLE WRAPS AND GRAPHICS

Cut turnaround times dramatically

- Laminate prints right after printing – Prints are fully dried inside the printer and can be laminated immediately. No external dryer or drying time is required, saving 24-48 hours. With no need to wait for drying, it is possible to accept urgent-turnaround and same-day jobs that can command a premium price.
- Enjoy excellent flexibility and conformability – HP Latex Inks have excellent flexibility and can stretch with the vinyl during mounting without cracking. Unlike low/eco-solvent inks, HP Latex Inks soften, rather than dissolve, the surface of the print medium, providing better long-term adhesion and elasticity. Customers tell us that HP Latex Ink prints are easier and faster to install, and that they have saved 20% wrapping time versus solvent-printed wraps.[15]

HP SCITEX LX800 PRINTER

TECHNICAL SPECIFICATIONS

Print	
Print modes	**For highly-saturated fabrics and backlit:** Production Plus (10-pass bidirectional) - 27 m²/hr (290 ft²/hr)
	For fabrics and backlit: Production Plus (6-pass bidirectional) - 45 m²/hr (484 ft²/hr)
	For high-quality indoor: High Quality (6-pass bidirectional) - 45 m²/hr (484 ft²/hr)
	For outdoor billboards: Billboard (2-pass unidirectional) - 88 m²/hr (947 ft²/hr)
	For drafts: Draft (1-pass unidirectional) - 177 m²/hr (1905 ft²/hr)
Print resolution	Up to 1200 x 1200 dpi
Technology	HP Wide Scan Printing Technology
Ink types	HP Latex Inks
Ink cartridge colors	Cyan, magenta, yellow, black, light cyan, light magenta
Ink drop	12 pl
Ink cartridge size	3 liter
Printheads	3 (cyan/black, yellow/magenta, light cyan/light magenta)
Nozzles	10,560 per printhead
Media	
Handling	Roll-to-free fall, roll-to-collector, roll-to-roll
Types	Banners, self-adhesives, films, fabric, paper, mesh, specialty
Size	Single roll: up to 3.2 m (126 in) wide Dual roll: up to 2 x 1.52 m (60 in) wide
Weight	Single roll: up to 130 kg (286 lb) Dual roll: up to 2 x 60 kg (132 lb)
Roll diameter	Up to 25 cm (9.84 in) outside diameter
Thickness	Up to 0.8 mm (31.5 mil)
Connectivity	
Interfaces (standard)	Gigabit Ethernet (1000 Base-T)
Dimensions (w x d x h)	
Printer	573 x 166 x 166 cm (226 x 65 x 65 in)
Shipping	586 x 173 x 216 cm (231 x 68 x 85 in)
Weight	
Printer	1118 kg (2464 lb)
Shipping	1900 kg (4189 lb)
What's in the box	
	HP Scitex LX800 Printer, HP LX600 Scitex Printheads, 126-in spindles, pneumatic gun, Original HP sample roll media, 104-in roll core, dual-roll spindles, screwdriver and keys set, HP Internal Print Server, HP 19-in LCD monitor, HP webcam with USB cable 5 m (16 ft) extension, HP network switch, HP Scitex LX Printer Cleaning Kit, HP LX600 Scitex Maintenance Kit, maintenance & troubleshooting guide, ink collector kit, ink collector foams (x16), media edge holders (x4), collector spindle tubes and adaptors, documentation software, Ethernet cable, electrical configuration kit with fuses
Environmental ranges	
Operating temperature	15 to 30° C (59 to 86° F)
Operating humidity	20 to 70% Relative Humidity (non-condensing)
Power	
Maximum	Three phase: 15 kW; single phase: 1 kW
Printing	Three phase: 8 to 15 kW; single phase: 1 kW
Powersave	Three phase: 0 kW; single phase: 310 W
Off	0.1 W
Requirements	Three phase (line-to-line voltage): 200 to 220 VAC (+/- 10%), 50 A max; 380 to 415 VAC (-10% +6%), 30 A max; 50/60 Hz; single phase: 115 to 127 VAC (+/- 10%); 200 to 240 VAC (-10% +6%) (Japan 200 V); 50/60 Hz, 10 A max
Certification	
Safety	United States and Canada (CSA listed); EU (LVD and MD compliant, EN60950-1, 12100-1 and 60204-1); Russia (GOST)
Electromagnetic	Compliant with Class A requirements, including USA (FCC rules), Canada (DoC), EU (EMC Directive), Australia (ACA), New Zealand (MoC)
Environmental	RoHS, WEEE, REACH
Warranty	
	One-year limited hardware warranty

ORDERING INFORMATION

Product	
Q6703A	HP Scitex LX800 Printer
Accessories	
CK832A	HP Scitex LX Printer Cleaning Kit
CQ657A	HP 126-in Spindle
CQ755A	HP Scitex Caldera RIP Software
CQ756A	HP Scitex Onyx RIP Software
Original HP printheads	
CC582A	HP LX600 Yellow/Magenta Scitex Printhead
CC583A	HP LX600 Cyan/Black Scitex Printhead
CC584A	HP LX600 Lt Magenta/Lt Cyan Scitex Printhead
Original HP ink cartridges	
CC585A	HP LX600 3-liter Black Latex Scitex Ink Cartridge
CC586A	HP LX600 3-liter Cyan Latex Scitex Ink Cartridge
CC587A	HP LX600 3-liter Magenta Latex Scitex Ink Cartridge
CC588A	HP LX600 3-liter Yellow Latex Scitex Ink Cartridge
CC589A	HP LX600 3-liter Light Cyan Latex Scitex Ink Cartridge
CC590A	HP LX600 3-liter Light Magenta Latex Scitex Ink Cartridge
Original HP maintenance supplies	
CC591A	HP LX600 Scitex Maintenance Kit
Primary applications	
	POP/POS
	Posters
	Light boxes - film
	Indoor soft signage
	Vehicle graphics
	Interior decoration
	Murals
	Banners
	Exhibition, event graphics
	Exterior signage
Original HP printing materials	
Banners	HP HDPE Reinforced Banner—recyclable[12] HP Durable Frontlit Scrim Banner HP Outdoor Frontlit Scrim Banner
Self-adhesive materials	HP Air Release Adhesive Gloss Cast Vinyl HP One-view Perforated Adhesive Window Vinyl HP Permanent Gloss Adhesive Vinyl HP Permanent Matte Adhesive Vinyl
Polyester fabric	HP Heavy Textile Banner—recyclable[12] HP Light Textile Display Banner—recyclable[12] HP Wrinkle-free Flag with Liner—recyclable[12]
Papers	HP PVC-free Wall Paper HP White Satin Poster Paper—recyclable[12] HP Photo-realistic Poster Paper—recyclable[12] HP Blue Back Billboard Paper
Specialty	HP DuPont™ Tyvek® Banner—recyclable[12] HP Satin Canvas

For more HP large-format printing materials and sizes please visit us online at:
www.hp.com/go/lfprinting/materials-supplies

[1] The HP Scitex LX800 Printer includes an ink collector for soft signage materials including open-weave fabrics. The HP Scitex LX600 Printer does not include an ink collector.

[2] For best results, print textile applications on polyester fabric that does not stretch. Performance may vary depending on media. Please consult your media supplier for compatibility details.

[3] Based on HP Imaging and Color Lab color gamut measurement for HP Latex Inks and HP 780 and 790 low-solvent inks on uncoated vinyl. Gamut calculations based on measurements of 943 data points of absolute colorimetric rendering using a D50 illuminant at 2 degree observer.

[4] HP image permanence and scratch, smudge, and water resistance estimates by HP Image Permanence Lab. Display permanence tested according to SAE J2527 using HP Latex and low-solvent inks on a range of media, including HP media; in a vertical display orientation in simulated nominal outdoor display conditions for select high and low climates, including exposure to direct sunlight and water; performance may vary as environmental conditions change. Scratch, smudge, and water resistance tested using HP Latex and low-solvent inks on a wide range of HP media; water resistance is comparable when printed on water-resistant substrates. Laminated display permanence using Neschen Solvoprint Performance Clear 80 laminate. Results may vary based on specific media performance and scratch testing methodology. For more information, see **www.hp.com/go/supplies/printpermanence**.

[5] Interior in-window display ratings by HP Image Permanence Lab on a range of media including HP media. HP in-window predictions based on test data under Xenon-Arc illuminant. Calculation assumes 6,000 Lux/12 hr day. Laminated display permanence using Neschen Solvoprint Performance Clear 80 laminate. For more information, see **www.hp.com/go/supplies/printpermanence**.

[6] The printer employs fully automatic printhead testing and maintenance systems.

[7] The remote HP technician may work directly with your operator, or with your HP Authorized Channel Partner.

[8] HP Latex Inks were tested for Hazardous Air Pollutants per U.S. Environmental Protection Agency Method 311 (testing conducted in 2008) and none were detected. HAPs are air pollutants which are not covered by ambient air quality standards but which, as defined in the Clean Air Act, may present a threat of adverse human health effects or adverse environmental effects.

[9] HP water-based Latex Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. These materials have been tested per the Pensky-Martins Closed Cup method and the flash point is greater than 110° C.

[10] Special ventilation is not required to meet US OSHA requirements on occupational exposure to VOCs from HP Latex Inks. Special ventilation equipment installation is at the discretion of the customer—no specific HP recommendation is intended. Customers should consult state and local requirements and regulations.

[11] Printers using HP Latex Inks use internal heaters to dry and cure the latex polymer film. Some substrates may have inherent odor.

[12] HP offers the HP Large-format Media take-back program in the U.S. and Europe, through which most HP recyclable signage media can be returned, availability varies. Some recyclable papers can be recycled through commonly available recycling programs. For details visit **www.hp.com/recycle**. Aside from this program, recycling opportunities for these products are currently only available in limited areas. Customers should consult local recycling resources for recycling these products.

[13] In the circa 45 countries and territories in which the HP Planet Partners program operates. Program features and availability varies. Where this program is not available, and for other consumables not included in the program, consult the Material Safety Data Sheet (MSDS) available at **www.hp.com/go/ecodata** to determine appropriate disposal.

[14] HP PVC-free Wall Paper printed using HP Latex Inks is listed in the GREENGUARD product listing for low emitting products and is tested to the GREENGUARD standards. This paper is not GREENGUARD Certified. The GREENGUARD Environmental Institute is an American National Standards Institute (ANSI) authorized standards developer that establishes acceptable indoor air standards for indoor products, environments, and buildings. See **www.greenguard.org**.

[15] Unless otherwise noted, data is aggregated from information gathered by HP, through general research and discussions with PSPs, in June and July 2009.

TO LEAN MORE, VISIT **WWW.HP.COM/GO/SCITEXLX800**

4AA0-4548ENW, April 2010

HP DreamColor

i1 COLOR

hp