

# HP PageWide XL 8000 Blueprinter



Breakthrough speed for black-and-white, whiteprints, and blueprints



## ACCELERATE

### More pages out 24/7

- Print up to 18 A0/min—for whiteprints and digital blueprints; 6 A0/min for natural tracing paper
- Start printing in 50% of the time<sup>1</sup>—an ultra-fast processor, native PDF management, HP SmartStream software
- Free up the operator—production stacker/online folder,<sup>2</sup> up to 6 rolls, dual ink supplies with auto-switch
- Minimize downtime with proven HP PageWide Technology for high-volume print production<sup>3</sup>

## OPTIMIZE

### Improve workflows and help reduce costs

- Competitive cost of operation compared to analog blueprinters and black-and-white LED printers<sup>4</sup>
- Reduce complexity—eliminate manual steps and prevent errors with an automated end-to-end digital workflow
- Easy workflow integration—print from your PC or make copies with easily integrated HP Designjet scanners
- With no ammonia, you can place your HP blueprinter anywhere to help create a healthier work environment



## IMPRESS

### Set a new quality standard

- Produce crisp lines, fine detail, and smooth grayscales clearly superior to analog blueprints and LED<sup>5</sup>
- HP PageWide XL pigment ink produces archivable prints that are moisture and fade resistant<sup>6</sup>
- Print from a single printer with black and two tones of blue for printing black and blue with adjustable hue

<sup>1</sup> Using HP SmartStream software, job preparation and processing can be completed in 50% of the time. Conclusion based on an HP internal test measuring the time required to extract pages from a 50-page document and print them using several printers compared with using equivalent software programs.

<sup>2</sup> The production stacker and online folder are optional accessories.

<sup>3</sup> Proven HP PageWide Technology powers HP Inkjet Web Presses—currently producing 4 billion impressions annually—and HP X series business printers.

<sup>4</sup> Cost of operation is competitive with analog blueprinters and black-and-white LED printers under \$150,000 USD in the market as of March, 2015. Source: HP research in China based on customer interviews and focus groups.

<sup>5</sup> Print quality comparison with black and white LED printers based on HP internal testing with internal users and external customers, evaluating overall print quality and specific print attributes (gray neutrality, fill area uniformity, line quality, and text quality) for output produced with HP PageWide XL printers and LED printers from different manufacturers and that represent greater than 50% of the annual shipments as of 2014 of LED printers in North America according to IDC. Comparison with analog blueprinters based on internal evaluation of printed document attributes such as line width, text quality, and area fill uniformity.

<sup>6</sup> Based on HP internal testing. Evaluation of prints produced with HP PageWide XL printers and HP PageWide XL pigment ink shows equivalent or better results compared to prints produced with HP 970/971/980 inks that are fade and moisture resistant per ISO 11798 Permanence and Durability Methods certification.

Based on reliable HP Thermal Inkjet technology and PageWide XL pigment ink, HP PageWide Technology offers high quality at high printing speeds. Scalable to meet a wide range of application and performance requirements, HP PageWide Technology provides low cost of operation in both monochrome and color.

## HP PageWide Technology

The HP PageWide XL 8000 Blueprinter includes a stationary 40-inch (101.6-cm) printbar that spans the whole printing width. As paper moves under the printbar, the entire page is printed in one pass, enabling very high printing speeds.

## HP PageWide XL pigment ink for HP PageWide XL printers



8 (2 x 775-ml black and B1, 4 x 775-ml B2) with auto-switch

HP PageWide XL pigment ink is specially designed to provide reliable and dependable operation with HP PageWide XL printers and to produce high-quality output:

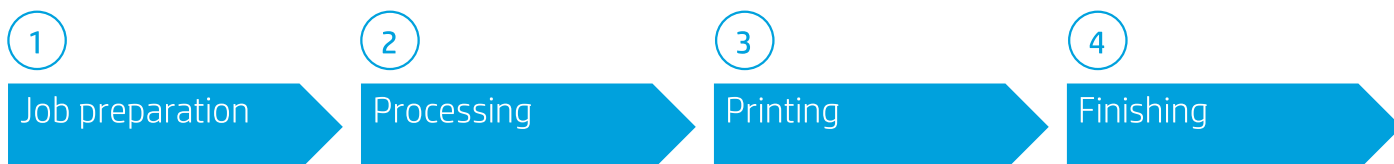
- Dark blacks and vivid colors, including when using uncoated bond papers
- Moisture- and fade-resistant prints<sup>6</sup>

## Reliable operation for high-volume printing

Designed for high-volume operation, the HP PageWide XL 8000 Blueprinter is based on proven HP PageWide Technology, currently powering HP Inkjet Web Presses—producing 4 billion impressions annually—and HP X series business printers.

HP 841 PageWide XL Printheads provide reliable and long-life operation, with an average life per printhead of 32 liters.

## End-to-end productivity



HP PageWide XL systems have been designed to help you provide radically faster delivery.

To help you meet aggressive deadlines, productivity is optimized in every step of the workflow:

1. Using HP SmartStream Preflight Manager, jobs can be prepared in 50% of the time<sup>1</sup>
2. With an ultra-fast processor and the embedded Adobe PDF Print Engine 3,<sup>7</sup> HP PageWide XL printers are designed to quickly process including the most complex jobs
3. Printing up to 18 A0/min—for whiteprints and digital blueprints; 6 A0 /min for natural tracing paper with:
  - Breakthrough print engine speed of up to 23 meters/minute (75 feet/minute)
  - Very short time between pages (up to 0.15 seconds)
  - Extended time between service station cycles (up to hundreds of pages)
  - Quick switches between loaded rolls (under 5 seconds)
4. Bidirectional communication between the HP PageWide XL printer and the production stacker/online folder<sup>2</sup> provides reliable operation

<sup>7</sup> Adobe PDF Print Engine 3 is the next-generation rendering platform, optimized for end-to-end PDF workflows. Adobe PDF Print Engine 3 combines performance optimizations with a new scalability framework to power high-speed digital presses, large-format printers, and CTP platesetters. Adobe PDF Print Engine 3 is the fastest rendering platform for reliable reproduction of complex, graphically rich content. To learn more, visit [adobe.com/products/pdfprintengine.html](http://adobe.com/products/pdfprintengine.html)

## Set a new quality standard for technical documents

HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce durable and high-quality output with dark blacks and vivid colors.

Accurate and reliable dot placement results in crisp lines, fine detail, and smooth grayscales. HP PageWide XL printers do not apply heat to the paper as part of the printing process, enabling very high levels of length accuracy ( $\pm 0.1\%$ ).

## Print black and white, and blue

Take care of all your technical document production with just one printer.



Black and white



Blueprint



Natural tracing paper

- 1. Up to 6 rolls**—automatic roll switching when a roll is depleted or a different page size is selected.
- 2. Dual HP ink supplies** with auto-switch—replace used cartridges while the printer is running.
- 3. High-capacity** output solutions specially designed to keep up with HP PageWide XL printers speed (high-capacity stacker or online folder).
- 4. 8-inch touchscreen**—status light reports current status and provides progressive alerts on potential issues that could impact production (i.e., out of paper or ink).



## Technical specifications

<b>General</b>	Description	Large-format black and white and blueprinter
	Technology	HP PageWide Technology
	Applications	Blueprints, black and white line drawings
	Ink types	Pigment-based (black, B1, B2)
	Ink cartridges	8 (2 x 775-ml black and B1, 4 x 775-ml B2) with auto-switch
	Printheads	8 x HP 841 PageWide XL Printheads
	Average printhead life	32 liters
	Printhead warranty	10 liters or 12 months
	Print resolution	1200 x 1200 dpi
	Minimum line width	0.02 mm (0.0008in) (HP-GL/2 addressable)
	Line accuracy	+/- 0.1%
<b>Print speed</b>	Maximum print speed	23 m/min (75 ft/min)
	A1/Arch /ANSI D (long edge first)	30 pages/min
	A0/Arch E/ANSI E (short edge first)	18 pages/min
	Warm-up time	3 min
	First page out	20 sec (from Standby mode)
<b>Media</b>	Media rolls	2 rolls default with auto-switching, expandable to 6 rolls
	Roll width	279 to 1016 mm (11 to 40 in)
	Roll length	Up to 200 m (650 ft)
	Roll diameter	177 mm (7 in)
	Printable width	Up to 1000 mm (39.4 in)
	Media weight	70 to 200 g/m <sup>2</sup>
	Media types	Bond papers, coated papers, blue papers, natural tracing papers
	Media output (standard)	Basket
Media output (optional)	High-capacity stacker, online folder, top-delivery stacker	
<b>High-capacity stacker</b>	Capacity	Up to 500 pages (plain paper)
<b>Online folder</b>	Page width	28 to 91.4 cm (11 to 36 in)
	Page length	2.5 m (cross fold), 6 m (fan fold), unlimited (fan fold, optional)
	Media weight for folding	75 to 90 g/m <sup>2</sup>
	Media weight for stacking	75 to 120 g/m <sup>2</sup>
	Capacity	Up to 150 (A0)
	Dimensions	1626 x 1245 x 2146 mm (64 x 49 x 84.5 in)
	Weight	285 kg (628 lb)
	Tab applicator	Optional
<b>Embedded controller</b>	Processor	Intel Core i7
	Memory	16 GB DDR
	Hard drive	1 x 128 GB SSD; 1 x 500 GB HDD, self-encrypted with AES-256
	Print languages (standard)	HP-GL/2, PCL 3 GUI
	Print languages (optional)	Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade)
	Remote management	HP PartnerLink, HP Embedded Web Server, HP WebJetAdmin
<b>Connectivity</b>	Printing paths	HP SmartStream (optional) HP Universal Print Driver (HP-GL/2 and PS) HP PageWide XL print drivers (PDF, HP-GL/2, and PS)
<b>User interface</b>	User interface	8-in capacitive touchscreen
<b>Dimensions</b>	Printer	1960 x 800 x 1527 mm (77.2 x 31.5 x 60.1 in)
	Shipping	2180 x 1068 x 1764 mm (86.8 x 42.1 x 69.5 in)
<b>Weight</b>	Printer	478 kg (1053 lb)
	Shipping	585 kg (1289 lb)

<b>Environmental</b>	Operating temperature	5 to 40°C (41 to 104°F)
	Recommended temperature	15 to 35°C (59 to 95°F)
	Operating humidity	20 to 80% RH, depending on media type
<b>Power</b>	Requirements	Input voltage (auto ranging) 200 to 240 VAC (-10% +10%), 8A, 50/60 Hz (+/- 3 Hz)
	Consumption	1.1 kW (printing)
<b>Warranty</b>		90 days

## Ordering information

<b>Product</b>	CZ315A	HP PageWide XL 8000 Blueprinter
<b>Accessories</b>	G6H50A	HP Designjet SD Pro Scanner
	G6H51A	HP Designjet HD Pro Scanner
	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit
	K5H75A	HP PageWide XL Folder
	L3M58A	HP PageWide XL Folder with Tab Applicator
	CZ318A	HP PageWide XL Media Drawer (2 rolls)
	CZ319A	HP PageWide XL High-capacity Stacker
	<b>Original HP PageWide XL Printheads and consumables</b>	C1Q19A
<b>Original HP ink cartridges</b>	F9J47A	HP 841 PageWide XL Cleaning Container
	F9J48A	HP 841 PageWide XL Maintenance Cartridge
	F9J69A	HP 846B 775-ml Black Ink Cartridge
<b>Original HP large format printing materials</b>	F9J70A	HP 846B 775-ml B1 Ink Cartridge
	F9J71A	HP 846B 775-ml B2 Ink Cartridge
	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® Certified) <sup>8</sup> 914 mm x 152.4 m (36 in x 500 ft)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® Certified) <sup>8</sup> 914 mm x 91.4 m (36 in x 300 ft)
	L4Z45A	HP Bright White Inkjet Paper, 3-in Core (FSC® Certified) <sup>8</sup> 914 mm x 152.4 m (36 in x 500 ft)
	L5C74A	HP Universal Coated Paper, 3-in Core (FSC® Certified) <sup>8</sup> 914 mm x 91.4 m (36 in x 300 ft)

Enjoy best-in-class support services, knowing HP works with HP PageWide XL Channel Partners to enable them to be properly trained, certified, and equipped to meet your needs. With efficient support and innovative support features, such as printer self-monitoring, predefined resolution paths, and intuitive maintenance wizards, you can work with confidence every day. For more information, please visit [hp.com/go/pagewidexlservice](http://hp.com/go/pagewidexlservice).

Use Original HP PageWide XL pigment ink and HP 841 PageWide XL Printheads to experience consistent high quality and reliable performance that enable less downtime. These critical components are designed and engineered together as an optimized printing system to provide dark blacks and vivid colors—even on uncoated bond—in moisture- and fade-resistant prints.<sup>6</sup> For more information, visit [hp.com/go/pagewidexlinks](http://hp.com/go/pagewidexlinks).

HP PageWide printing materials are designed to perform with breakthrough HP PageWide Technology—the technological advances require special ink formulations and strictly controlled interactions between HP PageWide XL pigment ink and HP printing materials to achieve high-quality printing in a single pass. For the entire HP Large Format Printing Materials portfolio, please see [HPLFMedia.com](http://HPLFMedia.com).

<sup>8</sup> BMG trademark license code FSC®-C115319, see [fsc.org](http://fsc.org). HP trademark license code FSC®-C017543, see [fsc.org](http://fsc.org). Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit [HPLFMedia.com](http://HPLFMedia.com).

<sup>9</sup> Can be recycled through commonly available recycling programs.

For more information, please visit  
[hp.com/go/pagewidexl/blueprinters](http://hp.com/go/pagewidexl/blueprinters)



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