

# HP PageWide XL 8000 Printer

The fastest large-format printer ever, monochrome and color<sup>1</sup>



## ACCELERATE

### Meet the tightest deadlines

- Print up to 30 D/A1 pages/minute—the fastest print speed in the market, even versus LED<sup>1</sup>
- Deliver mixed monochrome and color sets in 50% of the time with a consolidated workflow<sup>2</sup>
- Start printing in 50% of the time<sup>2</sup>—an ultra-fast processor, native PDF management, HP SmartStream software
- Free up the operator—production stacker/online folder,<sup>3</sup> up to 6 rolls, dual ink supplies with auto-switch

## GROW

### Fast color, excellent document quality

- Generate new business growth—print GIS map and point-of-sale (POS) poster applications at breakthrough speeds
- Set a new technical document standard with crisp lines, fine detail, and smooth grayscales that beat LED<sup>4</sup>
- HP PageWide XL pigment ink for dark blacks, vivid colors and moisture/fade resistance—even on uncoated bond<sup>5</sup>
- Print on a wide range of media up to 40 inches/101.6 cm—covering ISO/US technical and offset standards<sup>6</sup>

## SAVE<sup>7</sup>

### Low cost, dependable operation

- Low cost of operation in monochrome and color versus LED with long-life printheads, high ink efficiency<sup>7</sup>
- Eliminate manual steps and simplify your workflow with a consolidated monochrome and color solution
- Rely on proven HP PageWide Technology for dependable, high-volume print production<sup>8</sup>
- Help reduce downtime—innovative cloud-based support—self-monitoring, proactive alerts, automatic maintenance

<sup>1</sup> Printing at up to 30 D/A1 pages/minute, the HP PageWide XL 8000 Printer is faster than alternatives for large-format printing of technical documents, GIS maps, and point-of-sale (POS) posters under \$200,000 USD as of March, 2015 including 36-inch wide LED printers (printing up to 22 D/A1 pages/minute) and wide-format printers based on Memjet technology (printing up to 800 D/A1 pages/hour). Based on internal HP testing of the HP PageWide XL 8000 Printer in line drawing print mode on uncoated bond paper printing in D/A1 landscape.

<sup>2</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. Also, using a single printer for monochrome and color printing can enable manual collation of mixed sets in 50% of the time as validated by an internal HP test measuring the total time needed to prepare, print, and manually collate a 100-page document with 10 color pages.

<sup>3</sup> The production stacker and online folder are optional accessories.

<sup>4</sup> 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 of LED printers in North America as of 2014 according to IDC.

<sup>5</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.

<sup>6</sup> ISO/US technical and offset standards include American ANSI and Architectural page size standards, ISO A technical document standard, and ISO B offset page size standard.

<sup>7</sup> Operational costs for the HP PageWide XL 8000 Printer are comparable to or lower than operational costs for printers based on LED technology under \$100,000 USD for large-format printing of technical documents as of March, 2015 including 36-inch wide LED printers (printing up to 22 D/A1 pages/minute). Low operational costs in both monochrome and color driven by long-life printheads and high ink efficiency, as well as low maintenance requirements. For all HP PageWide XL printers, a single monochrome and color device enables workflow simplification that saves time compared to separate monochrome LED and color devices.

<sup>8</sup> Proven HP PageWide Technology powers HP Inkjet Web Presses—currently producing 4 billion impressions annually—and HP X series business printers.

Based on reliable HP Thermal Inkjet technology and HP 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 Printer 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.



8 (2 x 775-ml per color with auto-switch)

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

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:

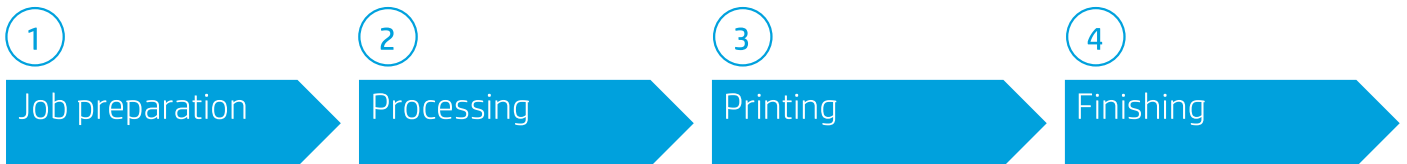
- Dark blacks and vivid colors, including when using uncoated bond papers
- Moisture- and fade-resistant prints<sup>5</sup>

### Reliable operation for high-volume printing

Designed for high-volume operation, the HP PageWide XL 8000 Printer 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>9</sup>
2. With an ultra-fast processor and the embedded Adobe PDF Print Engine 3,<sup>10</sup> HP PageWide XL printers are designed to quickly process including the most complex jobs
3. Printing up to 30 D/A1 pages/minute with outstanding sustained capacity thanks to:
  - 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 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>3</sup> provides reliable operation

<sup>9</sup> 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>10</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

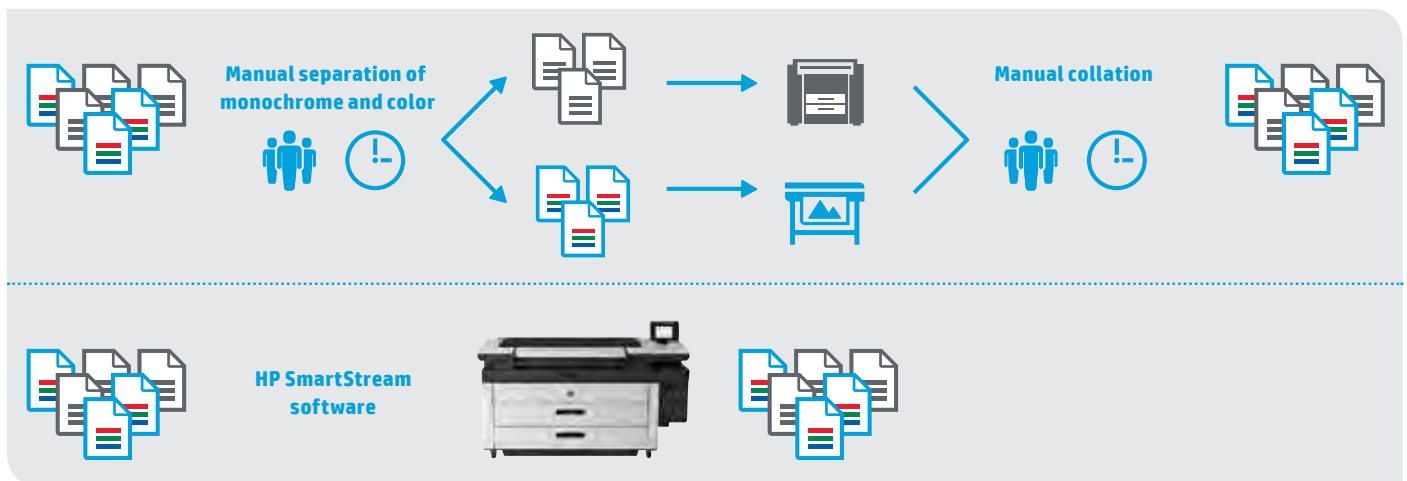
HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce durable and high-quality output with dark blacks and vivid colors.

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 ( $\pm 0.1\%$ ).

## Save time and reduce complexity by consolidating your monochrome and color workflows

In reprographics environments, it is very common to print mixed monochrome and color sets—typically a long and complex process since color and monochrome pages must be manually separated by an operator, who must then send color and monochrome pages to two different printers (most likely using two different types of software), and then finally manually collate the monochrome and color pages together.

By consolidating monochrome and color at breakthrough printing speeds, HP PageWide XL printers remove manual steps from the process and allow delivering mixed sets in 50% of the time.<sup>2</sup>



- 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 color printer   |                      |
|                                     | Technology                 | HP PageWide Technology   |                      |
|                                     | Applications               | Line drawings, Maps, Orthophotos, Posters  |                      |
|                                     | Ink types                  | Pigment-based (cyan, magenta, yellow, black)   |                      |
|                                     | Ink cartridges             | 8 (2 x 775-ml per color 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 (0.0008 in) (HP-GL/2 addressable)  |                      |
|                                     | Line accuracy              | +/- 0.1%   |                      |
|                                     | <b>Print speed</b>         | Maximum print speed  | 23 m/min (75 ft/min) |
|                                     |                            | A1/Arch D /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, poster papers, polypropylene   |                      |
|                                     | Media output (standard)    | Basket   |                      |
|                                     | Media output (optional)    | High-capacity stacker, online folder, top-delivery stacker   |                      |
|                                     | Capacity                   | Up to 500 pages (plain paper)  |                      |
| <b>High-capacity stacker</b>        |                            |  |                      |
| <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)  |                      |
|                                     | <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)  |                      |
| <b>Connectivity</b>                 | Remote management          | HP PartnerLink, HP Embedded Web Server, HP WebJetAdmin   |                      |
|                                     | Printing paths             | HP SmartStream (optional)<br>HP Universal Print Driver (HP-GL/2 and PS)<br>HP PageWide XL print drivers (PDF, HP-GL/2, and PS) |                      |
| <b>User interface</b>               | User interface             | 8-inch 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>  | L3A09A | HP PageWide XL 8000 Printer  |
| <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 | HP 841 PageWide XL Printhead   |
|   | F9J47A | HP 841 PageWide XL Cleaning Container  |
|   | F9J48A | HP 841 PageWide XL Maintenance Cartridge   |
| <b>Original HP ink cartridges</b>                         | C1Q49A | HP 842B 775-ml Black Ink Cartridge   |
|   | C1Q50A | HP 842B 775-ml Cyan Ink Cartridge  |
|   | C1Q51A | HP 842B 775-ml Magenta Ink Cartridge   |
|   | C1Q52A | HP 842B 775-ml Yellow Ink Cartridge  |
| <b>Original HP large format printing materials</b>        | L4L08A | HP Universal Bond Paper, 3-in Core (FSC® Certified) <sup>11</sup> 914 mm x 152.4 m (36 in x 500 ft)              |
|   | L5P98A | HP Production Matte Poster Paper, 3-in Core 1016 mm x 91.4 m (40 in x 300 ft)                                    |
|   | L5Q03A | HP Production Satin Poster Paper, 3-in Core 1016 mm x 91.4 m (40 in x 300 ft)                                    |
|   | L5C80A | HP Universal Heavyweight Coated Paper, 3-in Core (FSC® Certified) <sup>11</sup> 914 mm x 91.4 m (36 in x 300 ft) |
|   | L6B19A | HP Production Matte Polypropylene, 3-in Core 914 mm x 61 m (36 in x 200 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>5</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>11</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>12</sup> Can be recycled through commonly available recycling programs.

For more information, please visit  
[hp.com/go/pagewidexl/8000series](http://hp.com/go/pagewidexl/8000series)



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