Source Graphics

HP PageWide XL 5000 Printer series

Powerful, efficient monochrome and color production with up to 30% savings in total production costs[1]

LEAD
Fast delivery times in monochrome and color

- Up to 14 D/A1 pages/minute print speed, quick 30-second first page out

- Deliver mixed monochrome and color sets in 50% of the time with a consolidated workflow[2]

- Start printing in 50% of the time[3]— an ultra-fast processor, native PDF management, HP SmartStream software

- Free up the operator—production stacker/online folder,[4] up to 4 rolls, dual ink supplies with auto-switch

GROW
Fast color, excellent document quality

- Generate new business growth—print GIS map, 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[5]

- HP PageWide XL pigment ink for dark blacks, vivid colors, moisture/fade resistance—even on uncoated bond[6]

- Print on a wide range of media up to 40 inches/101.6 cm—covering ISO/US technical and offset standards[7]

SAVE
Cut total production costs up to 30%[1]

- Print monochrome and color technical documents at the same or lower cost than comparable LED printers[8]

- Do it all with one space-saving device for both monochrome and color, or opt for the MFP to print/scan/copy

- Cut job preparation and finishing costs up to 50%[2]

- See up to 5 times lower energy consumption than comparable LED printers[9]

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Dynamic security enabled printer. Cartridges using a non-HP chip might not work and those that work today might not work in the future. More at: hp.com/go/learnaboutsupplies

Note: HP PageWide XL printers are not designed to use continuous ink systems. HP PageWide XL printers are designed for ink cartridges to be used until they are empty. Refilling cartridges prior to depletion might cause the printer to fail, and voids the HP ink cartridge warranty.

[1] Production costs savings based on an HP PageWide XL 5000 Printer compared with a combination of a mid-volume monochrome LED printer and a mid-volume color production printer (both under $40,000 USD) as of April, 2015. Production costs consist of supplies and service costs, printer energy costs, and operator costs. For testing criteria, see hp.com/go/pagewidexlclaims.
[2] Based on internal HP testing on the HP PageWide XL 5000 Printer compared to preparing and printing the job on two different printers (one comparable monochrome mid-volume LED printer for the monochrome pages and one color printer for the color pages). For testing criteria, see hp.com/go/pagewidexlclaims.
[3] Using HP SmartStream software compared with equivalent software programs. For testing criteria, see hp.com/go/pagewidexlclaims.
[4] The HP PageWide XL Folder is an optional accessory. The HP PageWide XL High-capacity Stacker may be an optional accessory.
[5] 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. For testing criteria, see hp.com/go/pagewidexlclaims.
[6] Compared to prints produced with HP 970/971/980 inks that are fade and moisture resistant per ISO 11798 Permanence and Durability Methods certification. For testing criteria, see hp.com/go/pagewidexlclaims.
[7] 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.
[8] Based on supplies and service costs. Monochrome technical document printing costs for comparable mid-volume LED printers based on printers for large-format printing of technical documents at speeds between 8 and 13 D/A1 per minute as of April, 2015 which represent more than 80% of the share of mid-volume LED printers in the US and Europe in 2014 according to IDC. Color technical document printing costs for comparable mid-volume color printers based on printers capable of printing 4 D/A1 pages per minute or more and under $50,000 USD for large-format printing of technical documents as of April, 2015 and representing more than 80% of the market in the US and Europe in 2014 according to IDC. For testing criteria, see hp.com/go/pagewidexlclaims.
[9] Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 8 to 13 D/A1 pages per minute and which represent more than 80% of the share of mid-volume LED printers in the US and Europe according to IDC as of April, 2015. For testing criteria, see hp.com/go/pagewidexlclaims.

Beat record delivery with consolidated workflows—produce mixed monochrome and color sets in 50% of the time.[2] Achieve up to 30% savings in total production costs.[1] Save space and trim workflow cost with a single device for monochrome and color, or print/scan/copy with a multifunction printer.

HP PageWide Technology

The HP PageWide XL 5000 Printer series 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

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

- Dark blacks and vivid colors on a range of media including uncoated bond papers
- Moisture- and fade-resistant prints[6]
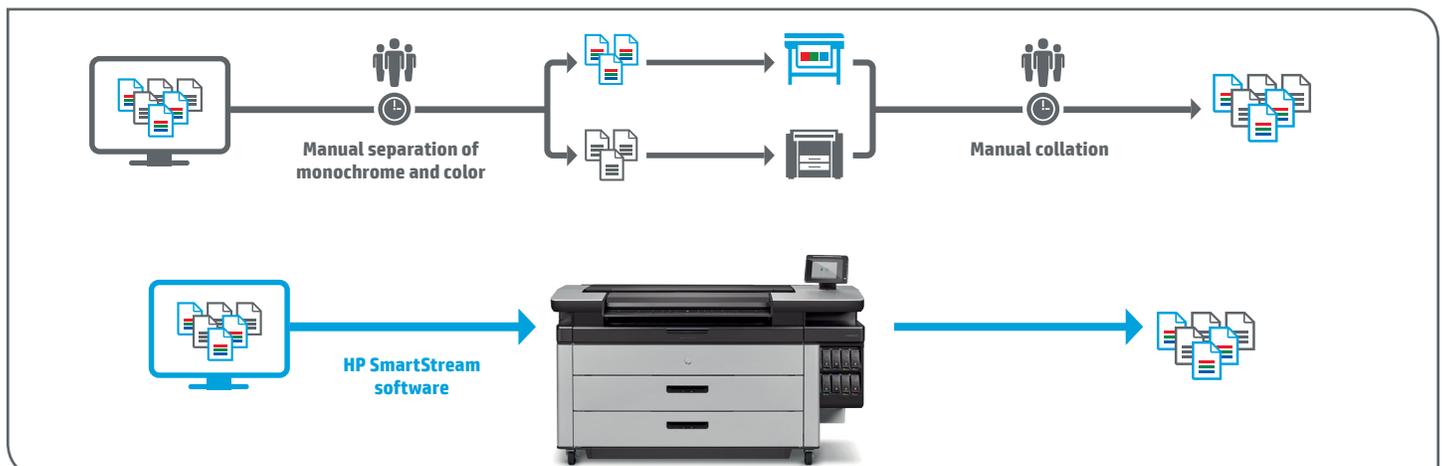
Proven technology for reliable operation

Designed for mid-volume production, the HP PageWide XL 5000 Printer series is based on proven HP PageWide Technology, currently powering HP PageWide Web Presses—producing 4 billion impressions monthly—and HP PageWide Pro and HP PageWide Enterprise printers.

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

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

It is very common to print mixed monochrome and color sets—typically a long and complex process that requires separate printing on different printers as well as manual collation.

Consolidated workflow efficiencies in delivering mixed monochrome and color sets help contribute to up to 30% savings in total production costs.[1] HP SmartStream software can help you improve your technical production workflow efficiency for single, multiple operator environments by preparing your jobs in 50% of the time.[3]

8 HP PageWide XL ink cartridges
(2 x 400-ml per color with auto-switch)

Manual separation of monochrome and color

Manual collation

HP SmartStream software

Print fast, deliver faster

1. Using HP SmartStream Preflight Manager, jobs can be prepared in 50% of the time[3]
2. With an ultra-fast processor and the embedded Adobe PDF Print Engine 4,[10] HP PageWide XL printers are designed for quick processing, including the most complex jobs
3. Print up to 14 D/A1 pages/minute in monochrome and color
4. Reduce the wait for short jobs with a quick, 30-second first page out

Gain even greater versatility

Expand the versatility of your HP PageWide XL 5000 Printer series with HP and third-party software and hardware solutions, see hp.com/go/pagewidexl3rdparty. Cover a wide range of applications with HP large format printing materials optimized with HP PageWide XL printers and pigment inks for high-quality printing, see HPLFMedia.com. And choose from a growing variety of other commercially available media compatible with HP PageWide XL printers, see hp.com/go/mediasolutionslocator.

Gain insight and control over print costs

HP SmartTracker software provides powerful, consolidated data tracking and reporting.[11] Now you can easily keep track of both print costs and reimbursement fees. Produce easy-to-read, customizable, consolidated reports that provide greater control and turn your print costs to your advantage. For more information, please see hp.com/go/smarttracker.

Set a new quality standard for technical documents

HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce crisp lines, fine detail, and smooth grayscales along with vivid colors. HP PageWide XL printers do not apply heat to the paper as part of the printing process, enabling very high levels of line accuracy (±0.1%).[12]

Save space and trim workflow cost with a single device for monochrome and color, and print, scan, and copy with a multifunction printer

1. **Up to 4 rolls**—automatic roll switching when a roll is depleted or a different page size is selected.
2. **Dual 400-ml HP ink supplies** with auto-switch—replace used cartridges while the printer is running.
3. **8-inch (203-mm) touchscreen**—**status light reports** current status and provides progressive alerts on potential issues that could impact production (i.e., out of paper or ink).
4. **Top stacker**—designed to save space, with capacity up to 100 pages.
5. **High-capacity output solutions**—HP PageWide XL Folder and HP PageWide XL High-capacity Stacker specially designed to keep up with HP PageWide XL print speeds.

[10] The Adobe PDF Print Engine (APPE) is Adobe's high speed, high fidelity print platform. Version 4 extends APPE's leading edge for print reproduction with new performance efficiencies and breakthrough rendering features. APPE 4 enables printers to increase workflow efficiency and capitalize on the profit potential of innovations in inkjet print technology. To learn more, visit adobe.com/products/pdfprintengine.
[11] Data is consolidated across all your HP PageWide XL printers and multifunction printers, with the exception of HP PageWide XL blueprinters, as of March, 2017.

Technical specifications

General		
	Description	Large-format color MFP or printer
	Technology	HP PageWide Technology
	Applications	Line drawings, Maps, Orthophotos, Posters
	Ink types	Pigment-based (cyan, magenta, yellow, black)
	Ink cartridges	8 (2 x 400-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 from installation
	Print resolution	1200 x 1200 dpi
	Minimum line width	0.0008 in (0.02 mm) (HP-GL/2 addressable)
	Guaranteed minimum line width	0.0033 in (0.085 mm) (ISO/IEC 13660:2001(E))[13]
	Line accuracy	±0.1%[12]
Print speed[14]	Maximum print speed[15]	27.8 ft/min (9 m/min)
	A1/Arch D/ANSI D (long edge first)	14 pages/min, 600 pages/hr
	A0/Arch E/ANSI E (short edge first)	7 pages/min, 300 pages/hr
	ISO B1 (long edge first)	10 pages/min
	Warm-up time	No warm up
	First page out	30 sec (from Ready mode)
Media	Media rolls	2 rolls default with auto-switching, expandable to 4 rolls
	Roll width	11 to 40 in (279 to 1016 mm)
	Roll length	Up to 650 ft (200 m)
	Roll diameter	Up to 7 in (177 mm)
	Roll core diameter	3 in (7.6 cm)
	Printable width	Up to 39.4 in (1000 mm)
	Printable length	Up to 650 ft (200 m) for CAD and 98 ft (30 m) for poster[16]
	Media weight	19 to 53 lb (70 to 200 g/m²)
	Media thickness	Up to 15.7 mil (0.4 mm)
	Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek®, matte film
	Media output (standard)	Basket
	Media output (optional)	High-capacity stacker, online folder, top stacker
High-capacity stacker[4]	Maximum page size	40 x 48 in (102 x 122 cm)[17]
	Capacity	Up to 500 pages
	Media weight	19 to 53 lb (70 to 200 g/m²)
	Dimensions	55.6 x 49.1 x 42.6 in (101 x 125 x 108 cm)
	Weight	308 lb (140 kg)
Online folder[4]	Page width	11 to 36 in (28 to 91.4 cm)
	Page length	Cross fold: 8.2 ft (2.5 m)
		Fan fold: 19.7 ft (6 m) (standard), unlimited (optional with HP PageWide XL Folder Upgrade Kit for Long Plots)
	Media weight for folding	20 to 24 lb (75 to 90 g/m²)
	Media weight for stacking	20 to 53 lb (75 to 200 g/m²)
	Capacity	Up to 150 (E/A0)
	Dimensions	82.7 x 63.8 x 48 in (2100 x 1620 x 1220 mm)
	Weight	794 lb (360 kg)
	Tab applicator	Available with HP PageWide XL Folder with Tab Applicator only
Scanner	Description	36-in (91-cm) CIS scanner
	Speed	Color: up to 3 in/sec (7.62 cm/sec) at 200 dpi
		Grayscale: up to 10 in/sec (25.4 cm/sec) at 200 dpi
	Optical resolution	1200 dpi
	Scan width	Up to 36 in (914 mm)
	Original thickness	Up to 0.01 in (0.26 mm)
	Maximum copy length	374.5 in (9512 mm)
	Maximum scan length	708.7 in (18 m) (TIFF, 24-in (610-mm) wide original at 200 dpi), 315 in (8 m) (JPEG), 196.9 in (5 m) (PDF)
	Scan format (standard)	JPEG, TIFF, PDF 1.4, multipage PDF 1.4
	Scan features	Preview with cropping, scan quicksets, batch scanning
	Scan destination	USB, network folder (SMB), scan to email, scan to HP SmartStream software
Embedded controller	Processor	Intel Core i3
	Memory	8 GB DDR3
	Hard drive	1x 500 GB HDD, self-encrypted with AES-256
	Print languages (standard)	HP-GL/2, PCL 3 Win , Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG
	Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin
Connectivity	Interfaces	TCP/IP, BootP/DHCP, USB 2.0 host (certified)
	Printing paths	HP SmartStream software (optional)
		HP Universal Print Driver (HP-GL/2 and PS)
		HP PageWide XL print drivers (PDF, HP-GL/2, and PS)
User interface	User interface	8-inch capacitive touchscreen
Dimensions (w x d x h)	Printer	77.2 x 31.5 x 51.3 in (1960 x 800 x 1303 mm)
	MFP	77.2 x 34 x 51.3 in (1960 x 864 x 1303 mm)
		Depth: 31.5 + 2.5 in removable scanner input tray to pass through doorways (800 + 64 mm)
	Shipping	86.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)

Weight		
	Printer	915 lb (415 kg)
	MFP	948 lb (430 kg)
	Shipping printer	1149 lb (521 kg)
	Shipping MFP	1204 lb (546 kg)
Environmental	Operating temperature	41 to 104°F (5 to 40°C)
	Recommended temperature	59 to 95°F (15 to 35°C)
	Operating humidity	20 to 80% RH, depending on media type
Acoustic	Sound pressure	53 dB(A) (printing), 35 dB(A) (ready), <24 dB(A) (sleep)
	Sound power	7.1 B(A) (printing), 5.2 B(A) (ready), 4.2 B(A) (sleep)
Power	Consumption	0.46 kW (typical); 0.8 kW (max printing); 108.4 watts (ready); < 1 watts (< 4.6 watts with embedded Digital Front End) (sleep)
	Requirements	Input voltage (auto ranging) 100-127 / 200-240 V (± 10%), 50/60 ±3 Hz, 10/5 A
Certification	Safety	IEC 60950-1+A1+A2 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), Japan (VCCI), Korea (KC)
	Environmental	ENERGY STAR, EPEAT Silver, CE marking (including RoHS, WEEE, REACH); in compliance with WW RoHS materials restriction requirements in China, Korea, India, Vietnam, Turkey, Serbia, and Ukraine
Warranty	90 days	

Ordering information

Product		
Product	CZ310B	HP PageWide XL 5000 40-in Printer with High-capacity Stacker and PostScript/PDF
	CZ310C	HP PageWide XL 5000 40-in Printer with Top Stacker and PostScript/PDF
	CZ311B	HP PageWide XL 5000 40-in Multifunction Printer with High-capacity Stacker and PostScript/PDF
	CZ311C	HP PageWide XL 5000 40-in Multifunction Printer with Top Stacker and PostScript/PDF
Accessories	CZ318A	HP PageWide XL Drawer
	CZ319A	HP PageWide XL High-capacity Stacker
	CZ320A	HP PageWide XL Top Stacker
	G6H50B	HP SD Pro 44-in Scanner
	G6H51B	HP HD Pro 42-in Scanner
	K5H75A	HP PageWide XL Folder
	L3M58A	HP PageWide XL Folder with Tab Applicator
	M0V04A	HP PageWide XL Folder Upgrade Kit for Long Plots
	L3J69AAE	HP SmartStream Preflight Manager
	L3J74AAE	HP SmartStream Print Controller for HP PageWide XL 5000 Printer series
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers[18]
	Z8J16AAE	HP SmartTracker for HP PageWide XL 5000 Printer series
Original HP PageWide XL printheads and consumables	C1Q19A	HP 841 PageWide XL Printhead
	F9J47A	HP 841 PageWide XL Cleaning Container
	F9J48A	HP 841 PageWide XL Maintenance Cartridge
Original HP PageWide XL ink cartridges	F9J82A	HP 848A 400-ml Black PageWide XL Ink Cartridge
	F9J83A	HP 848A 400-ml Cyan PageWide XL Ink Cartridge
	F9J84A	HP 848A 400-ml Magenta PageWide XL Ink Cartridge
	F9J85A	HP 848A 400-ml Yellow PageWide XL Ink Cartridge

Dynamic security enabled printer. Cartridges using a non-HP chip might not work and those that work today might not work in the future. More at: hp.com/go/learnaboutsupplies

Original HP large format printing materials		
	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified)[19] [20] 36 in x 500 ft (914 mm x 152.4 m)
	L5P98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified)[19] [20] 40 in x 300 ft (1016 mm x 91.4 m)
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified)[19] [20] 40 in x 300 ft (1016 mm x 91.4 m)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified)[19] [20] 36 in x 300 ft (914 mm x 91.4 m)
	L6B19A	HP Matte Polypropylene, 3-in Core 40 in x 150 ft (1016 mm x 45.7 m)

SOURCE Graphics

1530 North Harmony Circle
Anaheim, CA
800-611-9457
www.sourcegraphics.com

Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered[1]
- Free, convenient HP ink cartridge recycling[2]
- FSC®-certified papers,[3] range of recyclable HP media[4]

1. EPEAT registered where applicable and/or supported. See epeat.net for registration status and rating by country.
2. Program availability varies. Please check hp.com/recycle for details.
3. BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC® certified products are available in all regions. For information about HP large format printing materials, please visit HPLFMedia.com.
4. Can be recycled through commonly available recycling programs.

Please recycle large-format printing hardware and printing supplies.

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[12] ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 73°F (23°C), 50–60% relative humidity, on A0/E printing material in Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment inks.

[13] Measured on HP Universal Bond Paper.

[14] Print speed while printing to the HP PageWide XL High-capacity Stacker. When printing to the top stacker, the maximum print speed is 12 pages/minute.

[15] Measured using 36-in (91-cm) print width

[16] For longer plots (up to 656 ft), image quality might be affected.

[17] Long plots with reduced capacity.

[18] Printing to non-HP large format printers is done through specific drivers, each of them covering several printers: Océ Windows Printer Driver (WPD), KIP Windows Driver WHQL, RICOH PostScript Driver, Xerox WHQL Driver. For more information, please visit: hp.com/go/smartstream/trial.

[19] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. For information about HP large format printing materials, please visit HPLFMedia.com.

[20] Can be recycled through commonly available recycling programs.

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