

November 14, 2017

Dept of Administration

Purchasing Division

Mark Atkins

CRFQ# DOT1800000037

Dear Mr. Atkins,

Document Solutions Inc. is honored to propose 3 of Hewlett Packard's revolutionary Pagewide XL models to meet the needs of the West Virginia Department of Transportation. The models being proposed are the new HP Pagewide 5100xl series, HP Pagewide 4500xl series, and the HP Pagewide 4000xl series. First and foremost, all bids on any HP PagewideXL Model will include:

- Delivery and installation to each of the locations specified in the CRFQ and unit placement at the current wide format equipment locations.
- NO SPECIAL POWER REQUIREMENTS, AUTO VOLTAGE REGULATORS, OR SPECIAL WIRING needs to be done at any locations as the PagewideXL series operates on standard 110 electricity. With no heat fusing needed, the Pagewide Series saves as much as 10 times in electricity vs. other printing technologies.
- NO NEED FOR SPECIAL MACHINE LEVELING OR RESTRICTIVE ENVIRONMENTAL REQUIREMENTS
- Powered by True Adobe PDF Print Engine

We will be offering 3 solutions as outlined in the CRFQ. Option #1 will be for the HP Pagewide 5100XL mfp Series as both Unit A and Unit B. Option2 will have unit A as the Pagewide 5100XL series with the Pagewide 4000XL series as unit B. The other will Have Unit A as the Pagewide 4500XL series with the Pagewide 4000XL series as unit B. The difference between the HP 5100XL series and the 4500XL series are:

The Pagewide 5100XL is the new version of the HP Pagewide 5000xl series operates at an incredible 20 "D" size per minute with the optional high capacity rear stacker(12 on the top stacker). The 5100xl is being released on 11-14-2017 . The specifications are the same as the Pagewide 5000 with the changes mentioned. WV DOT has the option on which stacker they wish at each location. The 5100xl series offers dual ink supplies for longer runs and a cost of ink savings of approximately 25% over the HP 4500/4000 series. The Pagewide 5100XL series also comes with HP's innovative Smartstream Software or HP Click.

The Pagewide 4500XL series prints at "12"D" per minute with its 100 sheet top stacker, has single ink supplies, and come with HP's proven reliable HP Click Submission Software.

The Pagewide 4000XL series offers all the same options of the Pagewide 4500XL but at a lower cost and print speed of 8 "D" size per minute. It also comes with the HP Click Software.

A more detailed description follows.

11/14/17 12:53:05
WV Purchasing Division

HP Pagewide 5100XLMFP offers 2 rolls, with an option to later add another 2 rolls. The systems come with an integrated color scanner, touchscreen, and software. The WVDOT will have to option on each unit of choosing between a high capacity rear stacker, or the space saving top stacking unit. The 5000xlmfp series also has dual ink supplies allowing for double the capacity.

The Pagewide 4500XLMFP the same base engine and all the reliability of the 5100XL. The differences are that it only comes with the option for the top stacker of 100 sheets, and has a single ink supply. Instead of Smartstream the unit comes with HP Click submission software.

The Pagewide 4000XLMFP is identical to the 4500XLMFP but operates at a speed of 8 D size per minute.

Companies such as Alpha Associates, March Westin, and Thrasher Engineers have recently switched to the revolutionary Pagewide XL technology. Also HP has recently placed Pagewide XL units in other state transportation departments including Virginia, New Jersey, California, Alabama, Massachusetts, and Georgia to name a few.

Again thank you for the opportunity to bid.

Sincerely,

A handwritten signature in black ink, reading "Terence P. Burke". The signature is written in a cursive, flowing style with a large initial "T".

Terence P Burke

West Virginia Regional Manager



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Request for Quotation
 28 – Office Equip.

Proc Folder: 363701

Doc Description: ADDENDUM_2: PLOTTERS (DOT6318C0020)

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-11-07	2017-11-14 13:30:00	CRFQ 0803 DOT1800000037	3

BID RECEIVING LOCATION			
BID CLERK DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON ST E CHARLESTON WV 25305 US			

Document Solutions Inc 500 Garden City Plaza Monroeville, PA 15146 (412) 373-6500
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FOR INFORMATION CONTACT THE BUYER	
Mark A Atkins (304) 558-2307 mark.a.atkins@wv.gov	

Signature X <i>Luma P. Benke</i>	FEIN # 25-174-1054	DATE 11-13-2017
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All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

ADDENDUM 2: Is issued for the following:

1. To publish the Agency responses to the questions submitted by Vendors during the Technical Questioning period.

No other changes

The West Virginia Purchasing Division is soliciting bids on behalf of the Department of Transportation (WVDOT), to establish an open-end contract for the purchase of Large Format Black/White, Color and Greyscale Scanner, Printer, Plotter Systems with scanning capabilities, Installation and Delivery, and Maintenance/Support per attached documents.

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS INFORMATION SERVICE DIVISION 1900 KANAWHA BLVD E, BLDG 5 RM 920 CHARLESTON WV25305-0430 US	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Vendor shall use Exhibit_A Pricing Page for bid pricing.	0.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43212107			

Extended Description :

PLOTTER SCANNER SYSTEM:

Note: Vendor shall use Exhibit_A Pricing Page for bid pricing.
 If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line.
 Vendor shall enter pricing into the Exhibit_A Pricing Page and must attach with bid.
 See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Technical Questions due by 2:00pm:	2017-10-25


DOT1800000037	Document Phase Final	Document Description ADDENDUM_2: PLOTTERS (DOT6318C0020)	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

Pricing Page Exhibit A


CRFQ 0803 DOT1800000037

Contract Item	Description	Unit of Measure	Estimated Quantity	Unit Price	Extended Price
1	Unit A Plotter Scanner System as described in section 3.1	Each	10.00	\$ 21,340.00	\$ 213,400.00
2	Unit B Plotter Scanner System described in section 3.2	Each	5.00	\$ 21,340.00	\$ 106,700.00
3	Five Year Manufacturer's Extended Warranty Plan as described in 3.1.2.18.4.5	Each	15.00	\$ 8,400.00	\$ 126,000.00
4	Hourly Rate for Installation & Delivery as described in 3.1.2.18.2 (See Exhibit B for possible delivery locations)	Hour	100.00	\$ 93.25	\$ 9,325.00
Grand Total Cost 					\$ 455,425.00

Vendor Name: Document Solutions Inc
 Vendor Contract: Terence Burke
 Vendor Phone: 412-373-6500
 Vendor Email: tburke@docsolinc.com

Pricing Page Exhibit A


CRFQ 0803 DOT1800000037

Contract Item	Description	Unit of Measure	Estimated Quantity	Unit Price	Extended Price
1	Unit A Plotter Scanner System as described in section 3.1	Each	10.00	\$ 21,340.00	\$ 213,400.00
2	Unit B Plotter Scanner System described in section 3.2	Each	5.00	\$ 17,840.00	\$ 89,200.00
3	Five Year Manufacturer's Extended Warranty Plan as described in 3.1.2.18.4.5	Each	15.00	\$ 8,400.00	\$ 126,000.00
4	Hourly Rate for Installation & Delivery as described in 3.1.2.18.2 (See Exhibit B for possible delivery locations)	Hour	100.00	\$93.25	\$ 9,325.00
Grand Total Cost 					\$ 437,925.00

Vendor Name: Document Solutions Inc.
 Vendor Contract: Terence Burke
 Vendor Phone: 412-373-6500
 Vendor Email: tburke@docsolinc.com

Pricing Page Exhibit A

CRFQ 0803 DOT1800000037

Contract Item	Description	Unit of Measure	Estimated Quantity	Unit Price	Extended Price
1	Unit A Plotter Scanner System as described in section 3.1	Each	10.00	\$ 19840.00	\$ 198,400.00
2	Unit B Plotter Scanner System described in section 3.2	Each	5.00	\$ 17,840.00	\$ 89,200.00
3	Five Year Manufacturer's Extended Warranty Plan as described in 3.1.2.18.4.5	Each	15.00	\$ 8,400.00	\$ 126,000.00
4	Hourly Rate for Installation & Delivery as described in 3.1.2.18.2 (See Exhibit B for possible delivery locations)	Hour	100.00	\$ 93.25	\$ 9,325.00
Grand Total Cost 					\$ 422,925.00

Vendor Name: Document Solutions Inc.
 Vendor Contract: Terence Burke
 Vendor Phone: 412-373-6500
 Vendor Email: tburke@docsolinc.com

SOLICITATION NUMBER: CRFQ 0803 DOT1800000037

Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as CRFQ 0803 DOT1800000037 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

1. To move the bid opening date from 11/07/2017 to 11/14/2017 at 1:30pm EST to allow the agency more time to respond to the questions submitted by Vendors submitted during the Technical Questioning period.

No other changes made.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

SOLICITATION NUMBER: CRFQ 0803 DOT1800000037

Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as CRFQ 0803 DOT1800000037 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

1. To publish the Agency responses to the questions submitted by Vendors during the Technical Questioning period.

No other changes made.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ 0803 DOT1800000037

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Document Solutions Inc

Company



Authorized Signature

11-13-17

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Terence Burke, West Virginia Manager
(Name, Title)
Terence Burke West Virginia Manager
(Printed Name and Title)
500 Garden City Plaza, Monroeville, PA 15146
(Address)
412-373-6500 412-810-1111 cell: 304-780-4287
(Phone Number) / (Fax Number)
tburke@docsolinc.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Document Solutions Inc.
(Company)
Terence Burke West Virginia Manager
(Authorized Signature) (Representative Name, Title)
Terence BURKE West Virginia Manager
(Printed Name and Title of Authorized Representative)
11-13-17
(Date)
412-373-6500 412-810-1111 cell:304-780-4287
(Phone Number) (Fax Number)

CRFQ 0803 DOT1800000037
REQUEST FOR QUOTATION
Large Format Printer/Plotter/Scanner

7.2 The following remedies shall be available to Agency upon default.

7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

8.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the Solicitation unless a contract modification is approved in accordance with the provisions contained in this Contract.

8.2 Vendor Supply: Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

8.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.

8.4 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Terence Burke
Telephone Number: 412-373-6500
Fax Number: 412-810-1111
Email Address: tburke@docsoline.com

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with **West Virginia Code, §5A-3-37**. (Does not apply to construction contracts). **West Virginia Code, §5A-3-37**, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. **Application is made for 2.5% vendor preference for the reason checked:**
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification;
 Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; **or**,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,
2. **Application is made for 2.5% vendor preference for the reason checked:**
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
3. **Application is made for 2.5% vendor preference for the reason checked:**
 Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder's bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees or the bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years and the vendor's bid; **or**,
4. **Application is made for 5% vendor preference for the reason checked:**
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,
5. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,
6. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.**
 Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Document Solutions Inc.

Signed: Jane P. Burk

Date: 11-14-17

Title: West Virginia Manager



CERTIFICATE OF INSURANCE

— THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY —

DATE ISSUED (MM/DD/YY) 11/13/17

Home Office • 100 Erie Insurance Place • Erie, Pennsylvania 16530 • 814.870.2000
Toll free 1.800.458.0811 • Fax 814.870.3125 • www.erieinsurance.com

NAME AND ADDRESS OF AGENCY MASTERS INSURANCE SERVICES 1719 ARDMORE BLVD PITTSBURGH, PA 15221-4405 (412)351-2448	AGENT'S NO. AA6709	COMPANY(IES) AFFORDING COVERAGE Co.: C ERIE INSURANCE COMPANY Co.: D ERIE INSURANCE PROPERTY & CASUALTY COMPANY Co.: E ERIE INSURANCE EXCHANGE (Not Applicable) Erie Indemnity Co., Attorney-in-Fact In NY Co.: F ERIE INSURANCE COMPANY OF NEW YORK Co.: G FLAGSHIP CITY INSURANCE COMPANY
NAME AND ADDRESS OF NAMED INSURED DOCUMENT SOLUTIONS INC 500 GARDEN CITY DR MONROEVILLE, PA 15146		This certificate is issued for information purposes only and confers no rights on the certificate holder. It does not affirmatively or negatively amend, extend, or otherwise alter the terms, exclusions and conditions of insurance coverage contained in the policy(ies) indicated below. The terms and conditions of the policy(ies) govern the insurance coverage as applied to any given situation. Limits shown may have been reduced by claims paid. This certificate of insurance does not constitute a contract between the issuing insurer(s), authorized representative or producer and the certificate holder.

This is to certify that policies, as indicated by the Policy Number below, are in force for the Named Insured at the time that the Certificate is being issued.

CO. AFFORDING COVERAGE	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS												
E	<input type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> <input type="checkbox"/> GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	Q97 1051414	9/1/17	9/1/18	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>EACH OCCURRENCE</td><td>\$ 2,000,000</td></tr> <tr><td>FIRE DAMAGE (Any One Firm)</td><td>\$ 2,000,000</td></tr> <tr><td>MED-EXP (Any One Person)</td><td>\$ 5,000</td></tr> <tr><td>PERSONAL & ADV. INJURY</td><td>\$ 2,000,000</td></tr> <tr><td>GENERAL AGGREGATE</td><td>\$ 4,000,000</td></tr> <tr><td>PRODUCTS-COMP/OP AGG</td><td>\$ 4,000,000</td></tr> </table>	EACH OCCURRENCE	\$ 2,000,000	FIRE DAMAGE (Any One Firm)	\$ 2,000,000	MED-EXP (Any One Person)	\$ 5,000	PERSONAL & ADV. INJURY	\$ 2,000,000	GENERAL AGGREGATE	\$ 4,000,000	PRODUCTS-COMP/OP AGG	\$ 4,000,000
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MED-EXP (Any One Person)	\$ 5,000																
PERSONAL & ADV. INJURY	\$ 2,000,000																
GENERAL AGGREGATE	\$ 4,000,000																
PRODUCTS-COMP/OP AGG	\$ 4,000,000																
E	<input type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> "ANY AUTO" (OWNED, HIRED, NON-OWNED) <input type="checkbox"/> OWNED <input type="checkbox"/> HIRED <input type="checkbox"/> NON-OWNED <input type="checkbox"/> GARAGE	Q09 0132174	9/1/17	9/1/18	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>BODILY INJURY (EACH PERSON)</td><td>\$ 1,000,000</td></tr> <tr><td>BODILY INJURY (EACH ACCIDENT)</td><td>\$ 1,000,000</td></tr> <tr><td>PROPERTY DAMAGE</td><td>\$ 1,000,000</td></tr> <tr><td>BODILY INJURY AND PROPERTY DAMAGE COMBINED</td><td>\$</td></tr> </table>	BODILY INJURY (EACH PERSON)	\$ 1,000,000	BODILY INJURY (EACH ACCIDENT)	\$ 1,000,000	PROPERTY DAMAGE	\$ 1,000,000	BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$				
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BODILY INJURY AND PROPERTY DAMAGE COMBINED	\$																
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E	<input type="checkbox"/> WORKERS COMPENSATION & EMPLOYERS LIABILITY	Q93 5101170	9/1/17	9/1/18	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2" style="text-align: center;">STATUTORY</th></tr> <tr><td>BODILY INJURY BY ACCIDENT</td><td>\$ 100,000 EACH ACCIDENT</td></tr> <tr><td>DISEASE</td><td>\$ 500,000 POLICY LIMIT</td></tr> <tr><td>DISEASE</td><td>\$ 100,000 EACH EMPLOYEE</td></tr> </table>	STATUTORY		BODILY INJURY BY ACCIDENT	\$ 100,000 EACH ACCIDENT	DISEASE	\$ 500,000 POLICY LIMIT	DISEASE	\$ 100,000 EACH EMPLOYEE				
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BODILY INJURY BY ACCIDENT	\$ 100,000 EACH ACCIDENT																
DISEASE	\$ 500,000 POLICY LIMIT																
DISEASE	\$ 100,000 EACH EMPLOYEE																
	OTHER																

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

NAME AND ADDRESS OF CERTIFICATE HOLDER DEPARTMENT OF ADMIN PURCHASING DIVISION 2019 WASHINGTON ST EAST CHARLESTON, WV 25305-0130	AUTHORIZED REPRESENTATIVE
---	-------------------------------

November 3, 2017

Document Solutions Inc.
500 Garden City Drive
Monroeville, PA 15146



Attn: John Wirtz

Subject: HP DesignJet Specialist Program & HP Technical Production Specialist– Partner Authorization Letter

To Whom It May Concern,

This is to acknowledge that Document Solutions Inc. is an HP Authorized Reseller and is a member in good standing in the HP DesignJet Specialist Program and the HP Technical Production Specialist Program. As such Document Solutions Inc. is authorized to purchase HP DesignJet and HP PageWide XL printers and supplies from HP approved Channel Service Providers or directly from HP, and to resell HP DesignJet and HP PageWide XL Printers to end user customers solely in the U.S.

Partner Main HQ location: Document Solutions Inc.
500 Garden City Drive
Monroeville, PA 15146

HP Headquarter Authorized Location Id Number: 10290042

This is solely an HP Partner Authorization verification letter and is not to be construed as an HP Official Letter of Supply.

In addition, Document Solutions Inc. is currently authorized as an HP Partner First Service partner for the HP DesignJet and HP PageWide XL Printers. This authorizes Document Solutions Inc. to provide technical service and support, including replacement parts for HP DesignJet and HP PageWide XL products.

If you have any further questions regarding the HP DesignJet or HP Technical Production Specialist Programs please contact Irene Ortiz at irene.ortiz@hp.com or contact HP Contracts regarding the HP Authorized Partner Agreement at <https://partner.hp.com/>.

Regards,

A handwritten signature in blue ink, appearing to read 'Irene Ortiz'.

Irene Ortiz
U.S. Channel Program Manager, Graphics Solutions Business
Hewlett Packard

+1 858 655 4226 office | +1 858 248 6696 mobile | irene.ortiz@hp.com

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$100,000 or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation.

"Interested party" or "Interested parties" means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: Document Solutions Inc Address: 500 Garden City Plaza

Authorized Agent: TERENCE BURKE Address: Monroeville PA 15146

Contract Number: DOT 1800000037 Contract Description: Plotters

Governmental agency awarding contract: WV Purchasing Division - DOT

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

John Wirtz

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: Terence P. Burke

Date Signed: 11-13-17

Notary Verification

State of West Virginia, County of Ohio:

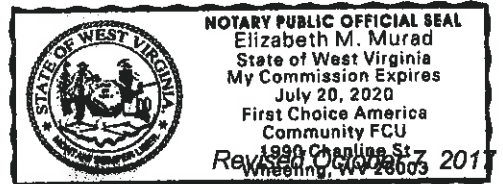
I, Elizabeth M Murad, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 13 day of November, 17.

Elizabeth M Murad
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL OTHER CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Document Solutions Inc.

Authorized Signature: James P. Burke Date: 11-13-17

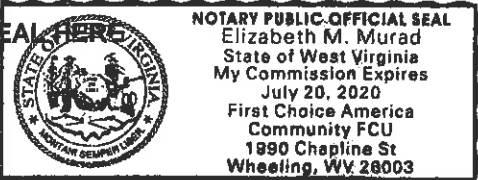
State of West Virginia

County of Ohio, to-wit:

Taken, subscribed, and sworn to before me this 13 day of November, 2017.

My Commission expires July 20, 2020.

AFFIX SEAL



NOTARY PUBLIC

Elizabeth M. Murad

Vendor Technical Questions – CRFQ DOT1800000037 (DOT6318C0020)

QUESTION 1: I wanted to check on the shipping locations you provided in Exhibit B of the RFQ documentation. In order to deliver HP PageWide XL MFP's, HP would need to conduct a site survey of the locations in order to determine if the product can be delivered without additional rigging. Can you please tell me which locations will require Unit A and/or Unit B? In the table below, if you could place a "X" in the column denoting Unit A or B or both at each location. Thanks.

RESPONSE 1: Since this is an open-end contract, there are no set quantities established for ordering for either Unit_A or Unit_B. The vendor will be able to utilize the hourly rate established in the contract to conduct a site survey for each ordering location. During the site survey, the vendor will be able to recommend which unit is best suited for the location.

QUESTION 2: 3.1.1.5 Unit_A must include electrophotography light emitting diode (LED) and organic photoconductor (OPC).

Why is electrophotography light emitting diode (LED) and organic photoconductor (OPC) required, if Pigment Inkjet technology can offer faster, more reliable operation with water resistant, durable print output that meets or exceeds LED standards? HP Pigment Ink testing has been performed in accordance with SS-ISO 11798:2000 Information and documentation – Permanence and durability of writing, printing and copying on paper. (See ISO Certificate and Pigment Inks white paper)

What is ISO 11798 durability?

- Certifies that the prints made on this system are archival and readable in the future
- Required by some governments and institutions as they require ISO 11798 certification for any print system they purchase
 - Historically only laser / toner was strong enough to pass certification. Now with the advancement of HP's pigment ink technology, Original HP inks are strong enough to be certified.
- More details may be found at <http://www.hp.com/go/printpermanence>

RESPONSE 2: 3.1.15 has been modified to read as follows:
Unit_A must utilize print technology that is readable and archivable in the future. This print technology must be ISO 11798. A definition of ISO 11798 can be found at <https://www.iso.org/obp/ui/#iso:std:iso:11798:ed-1:v1:en>

3.1.2.5 has been modified to read as follows:
Unit_B must utilize print technology that is readable and archivable in the future. This print technology must be ISO 11798. A definition of ISO 11798 can be found at <https://www.iso.org/obp/ui/#iso:std:iso:11798:ed-1:v1:en>

Vendor Technical Questions – CRFQ DOT1800000037 (DOT6318C0020)

QUESTION 3: 3.1.1.17.1.11 Capacity to exit scanned original from top or front and optional rear outputs.

Multifunction units with top mounted scanners are designed to exit originals to the user in the front. Since the specifications call for a multifunction unit with top stacking output, and space being a consideration, a rear output on a scanner will require an external, more expensive scanner on a stand taking up a considerable amount of additional space. Should an external scanner option be priced?

RESPONSE 3: Rear output is listed as an optional requirement and is not a mandatory. 3.1.2.15.11 has been modified to read as follows: Capacity to exit scanned original from top, front and optional rear outputs.

QUESTION 4: 3.1.2.6 Unit_B must be capable of black/white and color printing size "D" at (6) four pages per minute. NOTE: "D" size is 22 inches X 34 inches or 559 mm by 864 mm. Is it 6 or 4 pages per minute?

RESPONSE 4: 3.1.2.6 has been modified to read as follows: Unit_B must be capable of black/white and color printing size "D" at (6) six pages per minute. NOTE: "D" size is 22 inches X 34 inches or 559 mm by 864 mm.

QUESTION 5: 3.1.2.14.3 Unit_B must include a minimum of a (1) one terabyte hard drive. Please explain why a (1) one terabyte hard drive is necessary for this unit? Printer hard drives are not designed for long term storage, as this can reduce performance. All manufacturers use standard hard drives 500 MB or less.

RESPONSE 5: 3.1.1.14.3 has been modified to read as follows: Unit_A must include a minimum of (1) 300 GB (gigabyte) hard drive.

3.1.2.14.3 has been modified to read as follows: Unit_B must include a minimum of (1) 300 GB (gigabyte) hard drive.

QUESTION 6: When will the bid be awarded?

RESPONSE 6: WVDOT will make a recommendation following a review of the proposals submitted by the vendors.

QUESTION 7: Can multiple units be bid for both units A and B?

RESPONSE 7: Yes.

QUESTION 8: What are the volume considerations with regards to the 5 year extended warranty?

RESPONSE 8: WVDOT is unable to determine exact future volume as it varies by location.

Vendor Technical Questions – CRFQ DOT1800000037 (DOT6318C0020)

QUESTION 9: It seems as though the specs used are being geared to a particular vendor or product(s) instead of being geared to need. With that said I do have some questions.

RESPONSE 9: Specifications were developed to meet the unique needs of the WVDOT.

QUESTION 10: Does the equipment have to print to 40" wide? The specs are based on "D" size prints which would easily run on a 36" wide device? Even the larger "30" x 42" drawings" will run on them.

RESPONSE 10: 3.1.1.10 will be modified to read as follows: Unit_A must accommodate paper that is at least 20 pound and is 11 inches up to 36 inches.

3.1.2.10 will be modified to read as follows: Unit_B must accommodate paper that is at least 20 pound and is 11 inches up to 36 inches.

QUESTION 11: Why is the warm up time listed? Is it to exclude certain brands? There's more to printing efficiency than warm up times.

RESPONSE 11: 3.1.1.19 and 3.1.2.17 has been deleted.

QUESTION 12: Item 3.1.2.6 indicates "(6) four pages per minute", is it six or four?

RESPONSE 12: 3.1.2.6 has been modified to read as follows: Unit_B must be capable of black/white and color printing size "D" at (6) six pages per minute. NOTE: "D" size is 22 inches X 34 inches or 559 mm by 864 mm.

QUESTION 13: I would like for you to post the average use expected per week at each of the offices listed. I have visited most of those and their volumes are extremely low for you to be asking for equipment with specs as in this RFQ.

RESPONSE 13: The requirements in the RFQ were developed to create a standard for each district and scanning location. The requirements were developed to accommodate both existing and future needs in mind.

QUESTION 14: Does the scanner have to be able to scan up to 72' (3.1.2.15.2.7)? What kind of original would be that large?

RESPONSE 14: 3.1.1.17.1.7 has been modified to read as follows: Scanner original length range 8 to 72 inches.
3.1.2.15.2.7 has been modified to read as follows: Scanner original length range 8 to 72 inches.

Vendor Technical Questions – CRFQ DOT1800000037 (DOT6318C0020)

QUESTION 15: Does the equipment have to have electrophotography light emitting diode (LED) and organic photoconductor? Does anyone at the DOT and/or purchasing even know what that is?

RESPONSE 15: Yes, WVDOT is familiar with LED and organic photoconductor technology.

3.1.15 will be modified to read as follows:

Unit A must utilize print technology that is readable and archivable in the future.

This print technology must be ISO 11798. A definition of ISO 11798 can be found at:

<https://www.iso.org/obp/ui/#iso:std:iso:11798:ed-1:v1:en>

3.1.2.5 will be modified to read as follows:

Unit B must utilize print technology that is readable and archivable in the future.

This print technology must be ISO 11798. A definition of ISO 11798 can be found at:

<https://www.iso.org/obp/ui/#iso:std:iso:11798:ed-1:v1:en>

QUESTION 16: I see this is an open-end contract with only estimated quantities. Will DOT not commit to at least a minimum number of systems. This would help establish the best pricing. It's hard to get a manufacturer to commit to a lower price per system without any guaranteed quantities.

RESPONSE 16: This is an open-end contract and quantity is not guaranteed. It is anticipated that WVDOT will be replacing the existing units that are currently in production. Two different models were selected to accommodate the varying space and usage requirements that are unique to each location.

QUESTION 17: 3.1.1.1 What version of I-Plot is the Agency using?

RESPONSE 17: The version of I-Plot being used is 08.11.11.34.

QUESTION 18: 3.1.1.10 The current systems WVDOT uses are 36" wide systems. And the scanner requirements are 36" wide. Would you consider making this spec 11-36" for the copy/print output.

RESPONSE 18: 3.1.1.10 will be modified to read as follows: Unit_A must accommodate paper that is at least 20 pound and is 11 inches up to 36 inches.

3.1.2.10 will be modified to read as follows: Unit_B must accommodate paper that is at least 20 pound and is 11 inches up to 36 inches.

Vendor Technical Questions – CRFQ DOT1800000037 (DOT6318C0020)

QUESTION 19: 3.1.1.11 For the Speed of System A – ours will require a rear exit. It does include a stacker. Would you consider changing this spec or delete the requirement?

RESPONSE 19: Rear exit is acceptable.
3.1.1.11 and 3.1.2.11 have been deleted.

QUESTION 20: 3.1.1.14.5 Why is a Terabyte hard drive required? Most scanned documents are scanned to a PC or server share. Printing/copying features do not require this large of a hard drive. Would you consider reducing this to a 300 GB drive?

RESPONSE 20: 3.1.1.14.3 has been modified to read as follows: Unit_A must include a minimum of (1) 300 GB (gigabyte) hard drive.

3.1.2.14.3 has been modified to read as follows: Unit_B must include a minimum of (1) 300 GB (gigabyte) hard drive.

QUESTION 21: 3.1.1.17.1.7 Should this be 72 inches and not 72 feet?

RESPONSE 21: 3.1.1.17.1.7 has been modified to read as follows: Scanner original length range 8 to 72 inches.

3.1.2.15.2.7 has been modified to read as follows: Scanner original length range 8 to 72 inches.

QUESTION 22: 3.1.2.18.3.2 Would you consider removing this requirement? Our systems will already be under a warranty/maintenance agreement. And they are designed to have longer life parts. The different locations will not use all the systems equally, which will greatly vary in the service requirements and schedule as the system notifies them.

RESPONSE 22: Preventative maintenance inspections can be combined with a repair; however, the requirement for two inspections a year will not be removed. This equipment is a significant investment, WVDOT is attempting to prolong the equipment life and efficiency.

QUESTION 23: 3.1.2.18.3.4 Are you asking for a six-year warranty or a total of five year? The first year is already included in 3.1.2.18.3.4.

RESPONSE 23: 3.1.2.18.3.5 requires pricing for an additional five years in coverage for a total of six years.

Vendor Technical Questions – CRFQ DOT1800000037 (DOT6318C0020)

QUESTION 24: There is no requirement to list consumables? Operation cost is a very important item when considering cost of operation. This would also define what is a consumable and what is a part covered under a warranty. Yields should also be listed for consumables.

RESPONSE 24: WVDOT does not have the ability to make a fair and equitable comparison for consumables.

QUESTION 25: Will any locations require equipment to be moved upstairs, use a small elevator, or require special rigging for delivery?

RESPONSE 25: There are potential challenges with each delivery location. The vendor will be able to utilize the hourly rate to cover the costs associated with site visits, installations and delivery.

HP Introduces Faster PageWide XL Printers for Enhanced Technical Production

Demonstrates continued innovation for AEC at Autodesk University in Mars Home Planet showcase

LAS VEGAS, Nev., November 14, 2017 — Today at [Autodesk University](#), HP Inc. announced new HP PageWide XL printers with sharp, up to 70 percent faster¹ output, enabling technical production providers to grow AEC volume and expand business in color applications with the market-leading HP PageWide XL printer portfolio. The new [HP PageWide XL 5100](#) and [HP PageWide XL 6000](#) multifunction printer series join the fastest printer portfolio in the market² to equip enterprise print rooms, central reprographic departments and reprographic houses for enhanced mid-volume production in both color and monochrome.

At speeds up to 24 D/A1-size prints per minute, the series delivers technical documents with quick turnaround and low operating costs³ for architects and engineers, in addition to geographic information system (GIS) maps and point-of-sale (POS) poster applications.

In its first-ever product demonstration at AU, Las Vegas, HP Booth (#A517), the HP PageWide XL 6000 Multifunction Printer is producing prints of [HP Mars Home Planet](#) Concept Phase submissions. HP Mars Home Planet is a universe changing global effort to unite engineers, architects, designers, artists and students to imagine, design and experience life in an urban area for 1 million people on Mars. Participants are using Autodesk software to conceptualize, model and render images of future life on Mars. The winning designs will be printed and displayed during the show. Additionally, HP will showcase its latest workstations – the HP Z8, the most powerful PC on the planet,⁴ and the HP ZBook x2, the world's most powerful and first detachable PC workstation⁵.

“The debut of new HP PageWide XL printers is another giant leap on the HP journey to offer continued innovation in large format printing for the designers of the future,” said Guayente Sanmartin, General Manager and Global Head, HP Large Format Design Printing. “The breakthrough PageWide XL platform with even faster printing speeds will help our customers move the needle for business with immediate monochrome and color prints delivered from one unique printer.”

Reinventing technical production printing with the Power of One

With more than 5,000 units shipped and 3 billion ft² (300 million m²) printed since the HP PageWide XL printer launch in 2015, more customers are discovering the value the market-leading⁶ HP PageWide XL printers bring to businesses worldwide. HP PageWide XL printers do the job of two printers in a single device, providing both monochrome and color prints at breakthrough speeds: the [Power of One](#).

The HP PageWide XL 5100 prints at speeds up to 20 D/A1 pages per minute with quick 28-second first page out, and the HP PageWide XL 6000 Printer at 24 D/A1 size pages per minute with a 25-second first page out.

The printers produce outstanding print quality, and are also available in multifunction configuration with copying and scanning for collaboration. Additional benefits include:

- Set a new technical document standard with crisp lines, 2-point text, smooth grayscales, and vibrant color.
- Print/scan/copy in monochrome and color with one single device in 50% of the time with a consolidated workflow.⁷
- New advanced functionality for the integrated scanners such as smart background removal.
- ISO 11798 certified HP PageWide XL pigment inks provide long-term storage, light/water resistance.⁸
- Help keep data safe—self-encrypting HDD with AES-256, Secure Disk Erase, and IPsec.

New added-value capabilities

HP is also now offering increased productivity for the HP PageWide XL portfolio with new software solutions. HP SmartStream offers two new modules. Document Organizer lets the user automatically rename large volumes of files using innovative OCR technology, for saving time in job management. Using job pixel coverage, Pixel Analysis provides accurate quotes before printing. HP SmartTracker helps users control printing costs and enable reimbursement.

HP is also introducing new features for HP HD & SD Pro Scanners to improve operator productivity, image quality and background cleaning capabilities. A new output tray streamlines both the scan and copy workflows.

Additional printers in the HP PageWide XL portfolio include:

- The HP PageWide XL 8000 Printer offering high-end production printing at revolutionary speeds up to 30 D/A1-size prints per minute as well as two 775 milliliter ink cartridges per color with automatic switching and up to six rolls – more than 3,900 feet (1,200 meters) – of media for sustained productivity.
- The HP PageWide XL 4500 Printer and MFP enabling cost- and security-conscious technical work teams of architects and engineers, to securely print up to 12 D/A1-size prints per minute at in-house print corners.
- The HP PageWide XL 4000 Printer and MFP allowing technical work teams and copy shops to produce 8 D/A1-size prints per minute, helping teams increase on-the-job productivity.

Availability

The HP PageWide XL 5100 and HP PageWide XL 6000 Printer series will be available in December in the US and Canada, and will be sold in other regions beginning in 2018. Specific country releases will follow.

For more information about the Mars Home Plant project, go to hp.com/go/mars.

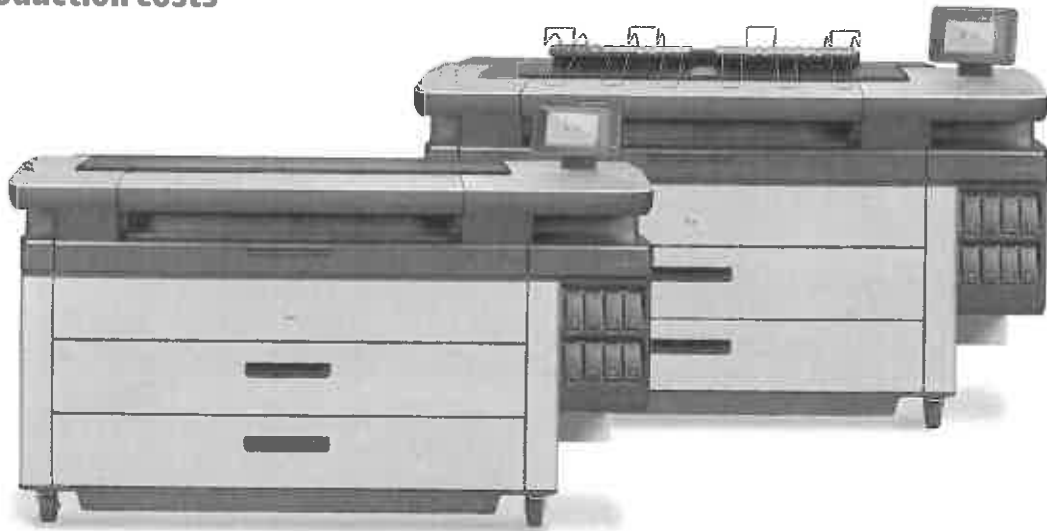
To learn more on the benefits of PageWideXL go to hp.com/go/PowerofOne and hp.com/go/pagewidexl.

- (1) The new HP PageWide XL 6000 Printer series prints 24 D/A1 size pages per minute compared with the previous HP PageWide XL 5000 Printer delivering 14 A1/D size pages per minute.
- (2) Fastest based on internal HP testing and methodology compared to alternatives for large-format printing of technical documents, GIS maps, and point-of-sale (POS) posters under \$200,000 USD as of April, 2017. Production costs savings based on comparison to a setup consisting of one monochrome LED printer and one color production printer, both under \$150,000 USD, as of April, 2017. Production costs consist of supplies and service costs, printer energy costs, and operator costs. For testing criteria, see hp.com/go/pagewidexlclaims
- (3) Production costs savings based on an HP PageWide XL 5100 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, 2017. Production costs consist of supplies and service costs, printer energy costs, and operator costs. For testing criteria, see hp.com/go/pagewidexlclaims.
- (4) Based on desktop workstations as of June 14, 2017 and power based on processor, graphics, memory, and power supply



HP PageWide XL 5100 Printer series

Instant monochrome and color printing—with up to 30% savings
in total production costs¹



IMMEDIATE

Get instant monochrome and color prints

- Up to 20 D/A1 pages/minute print speed, quick 28-second first page out
- Deliver mixed monochrome and color sets in 50% of the time with a consolidated workflow²
- Streamlined PDF workflow with HP SmartStream software, HP Click for easy batch printing
- Print unattended—production preflight/finishing solutions, up to 4 rolls, dual 400-ml inks with auto-switch

EXPAND

Set the accurate, durable, color standard

- Set a new technical document standard with crisp lines, 2-point text, smooth grayscales, and vibrant color
- Help generate new business—reveal the value of color, print GIS maps, point-of-sale posters, and more
- HP PageWide XL pigment inks—ISO certified for long-term storage, light/water resistance³
- Print on HP and third-party media up to 40 in (101.6 cm)—covering ISO/US technical and offset standards⁴

SAVE

Cut total production costs up to 30%¹

- Print monochrome and color technical documents at the same or lower cost than comparable LED printers⁵
- Print/scan/copy in monochrome and color with one single device—in a fully HP branded, supported solution
- Gain broad control over your printing costs and turn them to your advantage with HP SmartTracker software
- Help keep data safe—self-encrypting HDD with AES-256, Secure Disk Erase, and IPsec

For more information, please visit
hp.com/go/pagewidexl/5100series

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may 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 5100 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, 2017. 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 5100 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 <http://www.hp.com/go/pagewidexlclaims>.

³ HP PageWide XL pigment inks are certified per the ISO 11798 Permanence and Durability standard, proving that prints made with HP PageWide XL printers using Original HP PageWide XL pigment inks withstand harsh exposure to light, water, abrasion, and handling, and long-term storage and heat, and remain legible in the future. For more information, see hp.com/go/printpermanence.

⁴ 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.

⁵ 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 July, 2017 which represent more than 80% of the share of mid-volume LED printers in the US and Europe in 2017 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 July, 2017 and representing more than 80% of the market in the US and Europe in 2017 according to IDC. For testing criteria, see hp.com/go/pagewidexlclaims.

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)) ⁶	
Line accuracy	±0.1% ⁷	
Print speed	Maximum print speed ⁸	50 f/min (15 m/min)
A1/Arch D/ANSI D (long edge first)		20 pages/min
A0/Arch E/ANSI E (short edge first)		71 pages/min
ISO B1 (long edge first)		17 pages/min
Warm-up time		No warm up
First page out		28 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 ⁹
Media weight		19 to 53 lb (70 to 200 g/m ²)
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 ¹⁰	Maximum page size	40 x 48 in (102 x 122 cm) ¹¹
	Capacity	Up to 500 pages
	Media weight	19 to 53 lb (70 to 200 g/m ²)
	Dimensions	55.6 x 49.1 x 42.6 in (101 x 125 x 108 cm)
	Weight	308 lb (140 kg)
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)	Scan format (standard) JPEG, TIFF, PDF 1.7, multipage PDF 1.7, PDF/A 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 i5
	Memory	16 GB DDR3
	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 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 Click 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	76.8 x 33 x 51.3 in (1960 x 839 x 1303 mm)
	High-capacity Stacker	55.6 x 49.1 x 42.6 in (101 x 125 x 108 cm)
	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)
	High-capacity Stacker	308 lb (140 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

⁶ Measured on HP Universal Bond Paper.

⁷ ±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.

⁸ Measured using 36-in (91-cm) print width.

⁹ For longer plots (up to 656 ft), image quality might be affected.

¹⁰ The HP PageWide XL High-capacity Stacker may be an optional accessory.

¹¹ Long plots with reduced capacity.

¹² 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.

¹³ 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.

¹⁴ Can be recycled through commonly available recycling programs.

Acoustic	Sound pressure	56 dB(A) (printing), 35 dB(A) (ready), <16 dB(A) (sleep)
	Sound power	7.2 B(A) (printing), 5.2 B(A) (ready), 3.4 B(A) (sleep)
Power	Consumption	0.52 kW (typical); 0.9 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, 1Q/5A
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	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

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future.
More at: hp.com/go/learnaboutsupplies

Ordering information

Product	2RQ08B	HP PageWide XL 5100 40-in Multifunction Printer with High-capacity Stacker and PostScript/PDF
	2RQ08C	HP PageWide XL 5100 40-in Multifunction Printer with Top Stacker and PostScript/PDF
	2RQ09B	HP PageWide XL 5100 40-in Printer with High-capacity Stacker and PostScript/PDF
	2RQ09C	HP PageWide XL 5100 40-in 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
	MOV04A	HP PageWide XL Folder Upgrade Kit for Long Plots
	L3J69AAE	HP SmartStream Preflight Manager
	L3J74AAE	HP SmartStream Print Controller for HP PageWide XL 5000/5100 Printer series
	L3J74A	HP SmartStream Print Controller USB for HP PageWide XL 5000/5100 Printer series
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers ¹²
	ZNH4GAAE	HP SmartStream Document Organizer Module
	ZNH47AAE	HP SmartStream Pixel Analysis Module
	Z8J16AAE	HP SmartTracker for HP PageWide XL 5000/5100 Printer series
	Z8J16A	HP SmartTracker USB for HP PageWide XL 5000/5100 Printer series
	ZUE11A	HP Click USB for HP PageWide XL 5000/5100 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
Original HP large format printing materials	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified) ¹³ 36 in x 500 ft (914 mm x 152.4 m)
	L5P98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified) ¹³ 42 40 in x 300 ft (1016 mm x 91.4 m)
	L5Q03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) ¹³ 42 40 in x 300 ft (1016 mm x 91.4 m)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) ¹³ 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)

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/pagewidelxservice.

HP Financial Services can help you acquire an HP PageWide XL printing solution and accelerate the benefits to your business. Our solutions can help you increase your flexibility by preserving cash, freeing up budgets with a monthly payment structure, and offering an easy option to upgrade to the latest model when your business is ready. For more information, please visit hp.com/hpfinancialservices.

Find the media solution that fits your business and your HP PageWide XL printer at hp.com/go/mediasolutionslocator.

Eco Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered¹
- Free, convenient HP Ink cartridge recycling²
- FSC®-certified papers,³ range of recyclable HP media⁴



¹ EPEAT registered where applicable and/or supported. Visit 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.

Find out how at our website hp.com/ecosolutions



Windows 10



Mac



Universal



Adobe PostScript 3



POWERED BY
Adobe PDF Print Engine

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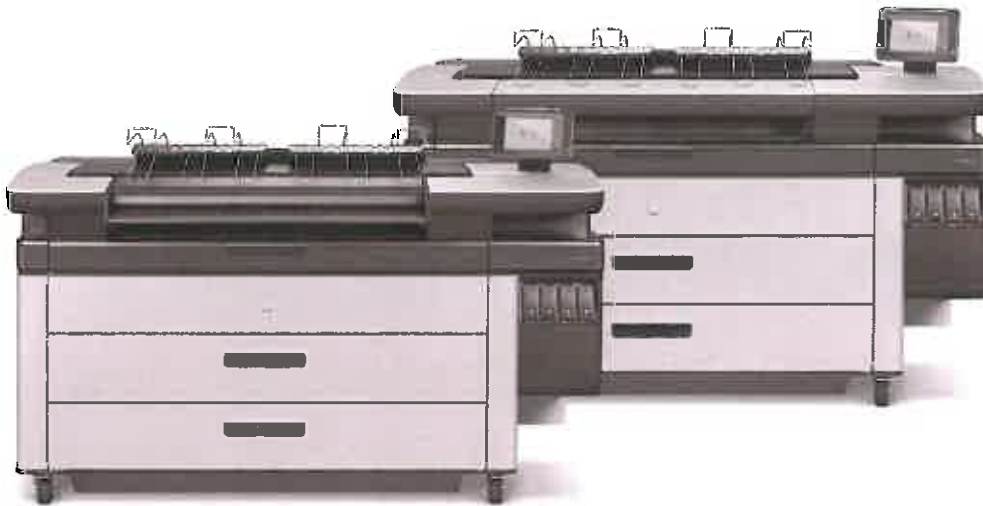


- (5) Based on desktop workstations as of June 14, 2017 and power based on processor, graphics, memory, and power supply.
- (6) HP PageWide XL printers portfolio are market leaders in the high-volume and mid-volume both in the USA and in Canada representing 50% of the share according to IDC as of March, 2017.
- (7) 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.
- (8) HP PageWide XL pigment inks are certified per the ISO 11798, Permanence and Durability standard, proving that prints made with HP PageWide XL printers using Original HP PageWide XL pigment inks withstand harsh exposure to light, water, abrasion, and handling, and long-term storage and heat, and remain legible in the future. For more information, see hp.com/go/printpermanence.



HP PageWide XL 4500 Printer series

Do the work of two printers with one—faster and lower cost than LED¹



FASTER

Monochrome and color, faster than LED¹

- Move projects forward with up to 12 D/A1 pgs/min monochrome and color, quick 30-second first page out
- Print, scan, copy in a single device—integrated 1200 dpi scanner with advanced and convenient workflows
- Consolidate—a single, easy-to-use device for all your monochrome and color printing/scanning needs
- Focus on your project, not the printer—up to 4 rolls with 100-page integrated top stacker

SAVE

Better document quality vs LED, lower cost¹

- Run at lower costs than low-volume LED¹—in monochrome and color
- Accurately track your printing costs using HP SmartTracker
- Produce excellent technical documents—crisp lines, fine detail, smooth grayscales that beat LED²
- HP PageWide XL pigment ink for dark blacks, vivid colors, moisture/fade resistance—even on uncoated bond³

SECURE

Help keep data safe, meet IT standards

- Get a range of strict security features—self-encrypting HDD, Secure Disk Erase, IPsec, and PIN printing
- Reduce time and costs of managing individual drivers by using HP DesignJet Universal Print Driver
- Control your printer fleet with HP Web Jetadmin, monitor your device remotely with the HP Embedded Web Server
- Streamline your print workflow with HP SmartStream software, print easily with HP Click submission tool⁴

For more information, please visit
hp.com/go/pagewidexl4500



Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may 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.

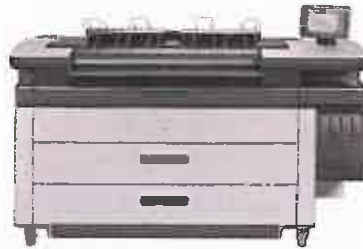
¹ Fastest based on alternative low-volume LED printers and MFPS (under 7 D/A1 pages/minute) as of April, 2015. Operational costs based on low-volume LED technology under \$20,000 USD in the market as of April, 2015. Operational costs consist of supplies and service costs. For testing criteria, see hp.com/go/pagewidexlclaims.

² 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.

³ 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.

⁴ Once Image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files. HP PageWide XL PostScript/PDF Upgrade Kit required for HP PageWide XL 4000/4500 Printers.

Elevate your on-the-job productivity. The HP PageWide XL 4500 Printer series consolidates monochrome and color printing, as well as print/scan/copy in a single device. Fast, quality document production keeps the focus on moving projects forward.



HP PageWide XL 4500 Printer series

- Boost your productivity
- Set a new quality standard for your technical documents
- Save space, reduce complexity
- Easy to use, easy to manage
- A better choice for the office—and the environment
- Select your file and click print⁴
- Gain insight and control over print costs

Boost your productivity



The HP PageWide XL 4500 Printer series is designed to boost your productivity, whether you're printing a large project or a short job.

- With no warm-up time and ultra-fast processing, the HP PageWide XL 4500 Printer series can finish printing most jobs by the time other devices are still getting ready to print the first page
- With a print speed up to 12 D/A1 pages per minute in both monochrome and color, dealing with peaks and printing large projects is no longer a hassle

Set a new quality standard for your technical documents



HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce high-quality output with dark blacks, neutral grays, and vivid colors that are moisture and fade resistant.³

Accurate and reliable dot placement result 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 line accuracy ($\pm 0.1\%$).⁵

Save space, reduce complexity



The HP PageWide XL 4500 Printer series can do the job of two printers—faster and at lower operating costs than LED.¹ With a single device, you can save space and reduce complexity—you now have one less printer to manage on the network, and you no longer need to manage two sets of printing supplies.



Easy to use, easy to manage

The HP PageWide XL 4500 Printer series produces both monochrome and color in a single, easy-to-use device—with an MFP that can meet all your printing and scanning needs. The touchscreen interface enables simple, intuitive navigation and customization of print, scan, and copy functions. The status light provides at-a-glance status information from a distance. Replace ink or load new rolls simply and quickly. And run the printer unattended with four 400-ml HP ink cartridges and up to four 650-ft (200-m) long rolls.

A better choice for the office—and the environment

The HP PageWide XL 4500 Printer series integrates easily into the office, with typical ventilation.⁶ Both the printer and the MFP use a standard office plug for efficient energy consumption, and use half the energy per page compared to equivalent LED printers.⁷ Unlike LED technology, HP PageWide Technology operates without a fuser, generating reduced heat and noise—and produces no ozone.⁸ In addition, The HP PageWide XL 4500 Printer series has earned a number of leading environmental credentials including ENERGY STAR[®] certification and EPEAT registration.⁹

Select your file and click print

With just one click,⁴ you can print common file formats—like PDF, JPEG, TIFF, and HP-GL/2—from a PC or a Mac to the HP PageWide XL 4500 Printer series. Produce a broad range of applications, from posters to drawings and maps with HP Click printing software. You can also optimize media usage and costs with features such as PDF error check, auto-orientation, resizing and alignment, and automatic nesting.

Gain insight and control over print costs

HP SmartTracker software provides powerful, consolidated data tracking and reporting.¹⁰ Now you can easily keep track of both print costs and reimbursement fees. Produce easy-to-read, customizable, consolidated reports¹⁰ that provide greater control and turn your print costs to your advantage.



- 1. Up to 4 rolls**—automatic roll switching when a roll is depleted or a different page size is selected
- 2. 400-ml HP ink supplies**
- 3. 8-inch (203-mm) touchscreen** with status light that reports at-a-glance current status from a distance; detailed preview and scan, copy, print presets help prevent errors and enable effortless operation
- 4. Top stacker** designed to save space and allows the printer to be placed against a wall; capacity up to 100 pages
- 5. Integrated 1200 dpi scanner**—scan at speeds up to 3 in/sec (7.62 cm/sec) in color and 10 in/sec (25.4 cm/sec) in grayscale; scan to a variety of file formats and work with advanced and convenient workflows



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	4 (1 x 400-ml per color)
	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)) ¹¹
	Line accuracy	±0.1% ⁵
	Print speed	Maximum print speed
A1/Arch D/ANSI D (long edge first)		12 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 ¹³
	Media weight	19 to 53 lb (70 to 200 g/m ²)
	Media thickness	Up to 15.7 mil (0.4 mm)
	Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek [®] papers, matte film
Media output (standard)	Top stacker	
Scanner¹⁴	Description	36-in (91-cm) CIS scanner
	Speed	Color: up to 3 in/sec (7.62 cm/sec) Grayscale: up to 10 in/sec (25.4 cm/sec)
	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 Optional: PDF 1.4, multipage PDF 1.4 (with PS/PDF upgrade)
	Scan features	Preview with cropping, scan quicksets, batch scanning
	Scan destination	USB, network folder (SMB), scan to email and to HP SmartStream software
Embedded controller	Processor	Intel Core i3
	Memory	8 GB DDR3
	Hard drive	1 x 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 (with PS/PDF upgrade) ¹⁵
Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin	
Connectivity	Interfaces	TCP/IP, Bonjour/DHCP, USB 2.0 host (certified)
	Printing paths	HP SmartStream software (optional) HP Click printing software ¹⁶ HP Universal Print Driver (HP-GL/2 and PS) HP PageWide XL print drivers (PDE, HP-GL/2, and PS)
User interface	8-inch (203-mm) capacitive touchscreen	

⁵ ±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 ink.

⁶ Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer. The need for special ventilation is not anticipated. In case of doubt, customers should consult state and local requirements and regulations.

⁷ Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 4 to 6 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.

⁸ Based on third-party testing conducted in 2014 and 2015, no ozone was detected.

⁹ EPEAT registered where applicable and/or supported. See epeat.net for registration status and rating by country.

¹⁰ 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.

¹¹ Measured on HP Universal Bond Paper.

¹² Measured using 36-in (91-cm) print width.

¹³ For longer plots up to 656 ft (200 m), image quality might be affected.

¹⁴ Scanning functionality available with the HP PageWide XL 4500 Multifunction Printer only.

¹⁵ Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade) are optional print languages for the HP PageWide XL 4500 Printer.

¹⁶ HP PageWide XL PostScript/PDF Upgrade Kit is standard for the HP PageWide XL 4500 Multifunction Printer.

¹⁷ 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/smartsstream/trial.

¹⁸ 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.

¹⁹ Can be recycled through commonly available recycling programs.

²⁰ Program availability varies. Please check hp.com/recycle for details.

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 (800 + 64 mm) removable scanner input tray to pass through doorways
Weight printer	Shipping	85.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)
	Printer	915 lb (415 kg)
Weight MFP	Shipping	1149 lb (521 kg)
	MFP	948 lb (430 kg)
Environmental	Shipping	1204 lb (546 kg)
	Operating temperature	41 to 104°F (5 to 40°C)
	Recommended temperature	59 to 95°F (15 to 35°C)
Acoustic	Operating humidity	20 to 80% RH, depending on media type
	Sound pressure	≤53 dB(A) (printing), ≤36 dB(A) (ready), ≤24 dB(A) (sleep)
Power	Sound power	≤6.8 B(A) (printing), ≤5.2 B(A) (ready), ≤4.2 B(A) (sleep)
	Requirements	Input voltage (auto ranging) 100–127 / 200–240 V (±10%), 50/60 Hz (±3 Hz), 7/3.5 A
Certification	Consumption	0.4 kW (typical); 0.7 kW (max printing); 108.4 watts (ready); <1 watts (<4.6 watts with embedded Digital Front End) (sleep)
	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	Compliance	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	CZ312A, CZ313A	90 days
	CZ312H, CZ313H	3 years

Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: hp.com/go/learnaboutsupplies

Ordering information

Product	CZ312A	HP PageWide XL 4500 40-In Multifunction Printer with PostScript/PDF
	CZ313A	HP PageWide XL 4500 40-In Printer
	CZ312H	HP PageWide XL 4500 40-In Multifunction Printer 3-year warranty with PostScript/PDF
Accessories	CZ313H	HP PageWide XL 4500 40-In Printer 3-year warranty
	G6H50B	HP SD Pro 44-In Scanner
Original HP PageWide XL printheads and consumables	G6H51B	HP HD Pro 42-In Scanner
	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit ¹⁶
	CZ318A	HP PageWide XL Drawer
	L3J69AAE	HP SmartStream Preflight Manager
	L3J76AAE	HP SmartStream Print Controller for HP PageWide XL 4000/4500
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers ¹⁷
	ZB18AAE	HP SmartTracker for HP PageWide XL 4000/4500 Printer series
	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	C1Q57A	HP 843A 400-ml Black PageWide XL Ink Cartridge
	C1Q58A	HP 843A 400-ml Cyan PageWide XL Ink Cartridge
	C1Q59A	HP 843A 400-ml Magenta PageWide XL Ink Cartridge
Original HP large format printing materials	C1Q60A	HP 843A 400-ml Yellow PageWide XL Ink Cartridge
	L4L08A	HP Universal Bond Paper, 3-In Core (FSC® certified) ¹⁸ 36 in x 500 ft (914 mm x 152.4 m)
	L5P98A	HP Production Matte Poster Paper, 3-In Core (FSC® certified) ¹⁸ 40 in x 300 ft (1016 mm x 91.4 m)
	L5Q03A	HP Production Satin Poster Paper, 3-In Core (FSC® certified) ¹⁸ 40 in x 300 ft (1016 mm x 91.4 m)
	L5C80A	HP Universal Heavyweight Coated Paper, 3-In Core (FSC® certified) ¹⁸ 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)

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.

HP Financial Services can help you acquire an HP PageWide XL printing solution and accelerate the benefits to your business. Our solutions can help you increase your flexibility by preserving cash, freeing up budgets with a monthly payment structure, and offering an easy option to upgrade to the latest model when your business is ready. For more information, please visit the Programs and Promotions section at hp.com/hpfinancialservices.

Find the media solution that fits your business and your HP PageWide XL printer at hp.com/go/mediasolutionslocator.

Key Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered⁹
- Free, convenient HP ink cartridge recycling¹⁹
- FSC®-certified papers,¹⁸ range of recyclable HP media¹⁹

Please recycle large-format printing hardware and printing supplies.
Find out how at our website hp.com/ecosolutions



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HP PageWide XL 4000 Printer series

Do the work of two printers with one—faster and lower cost than LED¹



FASTER

Monochrome and color, faster than LED¹

- Move projects forward with up to 8 D/A1 pgs/min monochrome and color, quick 30-second first page out
- Print, scan, copy in a single device—integrated 1200 dpi scanner with advanced and convenient workflows
- Consolidate—a single, easy-to-use device for all your monochrome and color printing/scanning needs
- Focus on your project, not the printer—up to 4 rolls with 100-page integrated top stacker

SAVE

Better document quality vs LED, lower cost²

- Run at lower costs than low-volume LED¹—in monochrome and color
- Accurately track your printing costs using HP SmartTracker
- Produce excellent technical documents—crisp lines, fine detail, smooth grayscales that beat LED²
- HP PageWide XL pigment ink for dark blacks, vivid colors, moisture/fade resistance—even on uncoated bond³

SECURE

Help keep data safe, meet IT standards

- Get a range of strict security features—self-encrypting HDD, Secure Disk Erase, IPsec, and PIN printing
- Reduce time and costs of managing individual drivers by using HP DesignJet Universal Print Driver
- Control your printer fleet with HP Web Jetadmin, monitor your device remotely with the HP Embedded Web Server
- Streamline your print workflow with HP SmartStream software, print easily with HP Click submission tool⁴

For more information, please visit
hp.com/go/pagewidexl4000



reddot award 2016
best of the best



Dynamic security enabled printer. Only intended to be used with cartridges using an HP original chip. Cartridges using a non-HP chip may not work, and those that work today may 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 Fastest based on alternative low-volume LED printers and MFPs (under 7 D/A1 pages/minute) as of April, 2015. Operational costs based on low-volume LED technology under \$20,000 USD in the market as of April, 2015. Operational costs consist of supplies and service costs. For testing criteria, see hp.com/go/pagewidexlclaims.

² 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.

³ 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.

⁴ Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/files. HP PageWide XL PostScript/PDF Upgrade Kit required for HP PageWide XL 4000/4500 Printers.

Elevate your on-the-job productivity. The HP PageWide XL 4000 Printer series consolidates monochrome and color printing, as well as print/scan/copy in a single device. Fast, quality document production keeps the focus on moving projects forward.



HP PageWide XL 4000 Printer series

- Boost your productivity
- Set a new quality standard for your technical documents
- Save space, reduce complexity
- Easy to use, easy to manage
- A better choice for the office—and the environment
- Select your file and click print⁴
- Gain insight and control over print costs

Boost your productivity



The HP PageWide XL 4000 Printer series is designed to boost your productivity, whether you're printing a large project or a short job.

- With no warm-up time and ultra-fast processing, the HP PageWide XL 4000 Printer series can finish printing most jobs by the time other devices are still getting ready to print the first page
- With a print speed up to 8 D/A1 pages per minute in both monochrome and color, dealing with peaks and printing large projects is no longer a hassle

Set a new quality standard for your technical documents



HP 841 PageWide XL Printheads, working with HP PageWide XL pigment ink, are designed to produce high-quality output with dark blacks, neutral grays, and vivid colors that are moisture and fade resistant.³

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 line accuracy ($\pm 0.1\%$).⁵

Save space, reduce complexity



The HP PageWide XL 4000 Printer series can do the job of two printers—faster and at lower operating costs than LED.¹ With a single device, you can save space and reduce complexity—you now have one less printer to manage on the network, and you no longer need to manage two sets of printing supplies.



Easy to use, easy to manage

The HP PageWide XL 4000 Printer series produces both monochrome and color in a single, easy-to-use device—with an MFP that can meet all your printing and scanning needs. The touchscreen interface enables simple, intuitive navigation and customization of print, scan, and copy functions. The status light provides at-a-glance status information from a distance. Replace ink or load new rolls simply and quickly. And run the printer unattended with four 400-ml HP ink cartridges and up to four 650-ft (200-m) long rolls.



A better choice for the office—and the environment

The HP PageWide XL 4000 Printer series integrates easily into the office, with typical ventilation.⁶ Both the printer and the MFP use a standard office plug for efficient energy consumption, and use half the energy per page compared to equivalent LED printers.⁷ Unlike LED technology, HP PageWide Technology operates without a fuser, generating reduced heat and noise—and produces no ozone.⁸ In addition, The HP PageWide XL 4000 Printer series has earned a number of leading environmental credentials including ENERGY STAR[®] certification and EPEAT registration.⁹

Select your file and click print

With just one click,⁴ you can print common file formats—like PDF, JPEG, TIFF, and HP-GL/2—from a PC or a Mac to the HP PageWide XL 4000/4500 Printer series. Produce a broad range of applications, from posters to drawings and maps with HP Click printing software. You can also optimize media usage and costs with features such as PDF error check, auto-orientation, resizing and alignment, and automatic nesting.



Gain insight and control over print costs

HP SmartTracker software provides powerful, consolidated data tracking and reporting.¹⁰ Now you can easily keep track of both print costs and reimbursement fees. Produce easy-to-read, customizable, consolidated reports¹⁰ that provide greater control and turn your print costs to your advantage.

- 1. Up to 4 rolls**—automatic roll switching when a roll is depleted or a different page size is selected
- 2. 400-ml HP ink supplies**
- 3. 8-inch (203-mm) touchscreen** with status light that reports at-a-glance current status from a distance; detailed preview and scan, copy, print presets help prevent errors and enable effortless operation
- 4. Top stacker** designed to save space and allows the printer to be placed against a wall; capacity up to 100 pages
- 5. Integrated 1200 dpi scanner**—scan at speeds up to 3 in/sec (7.62 cm/sec) in color and 10 in/sec (25.4 cm/sec) in grayscale; scan to a variety of file formats and work with advanced and convenient workflows



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	4 (1 x 400-ml per color)	
	Printheads	8 x HP B41 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)) ¹¹	
	Line accuracy	±0.1% ⁵	
	Print speed	Maximum print speed	15.65 ft/min (4.8 m/min) ¹²
		A1/Arch D/ANSI D (long edge first)	8 pages/min
		Warm-up time	No warm up
Media	First page out	30 sec (from Ready mode)	
	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 ¹³	
	Media weight	19 to 53 lb (70 to 200 g/m ²)	
	Media thickness	Up to 15.7 mil (0.4 mm)	
	Media types	Bond and recycled papers, poster papers, polypropylene, Tyvek® papers, matte film	
	Media output (standard)	Top stacker	
	Scanner¹⁴	Description	36-in (91-cm) CIS scanner
		Speed	Color: up to 3 in/sec (7.62 cm/sec) Grayscale: up to 10 in/sec (25.4 cm/sec)
		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 Optional: PDF 1.4, multipage PDF 1.4 (with PS/PDF upgrade)	
Scan features		Preview with cropping, scan quicksets, batch scanning	
Scan destination		USB, network folder (SMB), scan to email and to HP SmartStream software	
Embedded controller		Processor	Intel Core i3
		Memory	8 GB DDR3
		Hard drive	1 x 500 GB HDD, self-encrypted with AES-256
Connectivity		Print languages (standard)	HP-GL/2, PCL 3 Win Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade) ¹⁵
		Remote management	HP Partner Link, HP Embedded Web Server, HP Web Jetadmin
	Interfaces	TCP/IP, BootP/DHCP, USB 2.0 host (certified)	
User interface	Printing paths	HP SmartStream software (optional) HP Click printing software ¹⁶ HP Universal Print Driver (HP-GL/2 and PS) HP PageWide XL print drivers (PDF, HP-GL/2, and PS)	
	Printer driver	HP Universal Print Driver (HP-GL/2 and PS)	
	Printer driver	HP PageWide XL print drivers (PDF, HP-GL/2, and PS)	

⁵ ±0.1% of the specified vector length or ±0.2 mm (whichever greater) at 73°F (23°C), 50–50% relative humidity, on A0/E printing material. In Best or Normal mode with HP Matte Polypropylene and HP PageWide XL pigment ink.

⁶ Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer. The need for special ventilation is not required. In case of doubt, customers should consult state and local requirements and regulations.

⁷ Conclusions based on internal HP testing for a specific use scenario. Comparable printers using LED technology based on LED printers capable of printing 4 to 6 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/pagewidexlclms.

⁸ Based on third-party testing conducted in 2014 and 2015. No ozone was detected.

⁹ EPEAT registered where applicable and/or supported. See epeat.net for registration status and rating by country.

¹⁰ 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.

¹¹ Measured on HP Universal Bond Paper.

¹² Measured using 36-in (91-cm) print width.

¹³ For longer plots (up to 656 ft (200 m)), image quality might be affected.

¹⁴ Scanning functionality available with the HP PageWide XL 4000 Multifunction Printer only.

¹⁵ Adobe PostScript 3, Adobe PDF 1.7, TIFF, JPEG (with PS/PDF upgrade) are optional print languages for the HP PageWide XL 4000 Printer.

¹⁶ HP PageWide XL PostScript/PDF Upgrade Kit is standard for the HP PageWide XL 4000 Multifunction Printer.

¹⁷ 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/smartsstream/trial.

¹⁸ 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 HP.com/HPMedia.com.

¹⁹ Can be recycled through commonly available recycling programs.

²⁰ Program availability varies. Please check hp.com/recycle for details.

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 (800 + 64 mm) removable scanner input tray to pass through doorways
Weight printer	Shipping	86.8 x 42.1 x 69.5 in (2180 x 1068 x 1764 mm)
	Printer	915 lb (415 kg)
Weight MFP	Shipping	1149 lb (521 kg)
	MFP	948 lb (430 kg)
Environmental	Shipping	1204 lb (546 kg)
	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), ≤36 dB(A) (ready), ≤24 dB(A) (sleep)
	Sound power	≤6.8 B(A) (printing), ≤5.2 B(A) (ready), ≤4.2 B(A) (sleep)
Power	Requirements	Input voltage (auto ranging) 100–127 / 200–240 V (±10%), 50/60 Hz (±3 Hz), 7/3.5 A
	Consumption	0.4 kW (typical); 0.7 kW (max printing); 108.4 watts (ready); <1 watts (<4.6 watts with embedded Digital Front End) (sleep)
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	M0C02A, M0V01A	90 days
	M0V02H	3 years

Dynamic security enabled printer. Only Intended to be used with cartridges using an HP original chip. cartridges using a non-HP chip may not work, and those that work today may not work in the future. More at: hp.com/go/learnaboutsupplies

Ordering information

Product	M0V02A	HP PageWide XL 4000 40-in Multifunction Printer with PostScript/PDF
	M0V01A	HP PageWide XL 4000 40-in Printer
	M0V02H	HP PageWide XL 4000 40-in Multifunction Printer 3-year warranty with PostScript/PDF
Accessories	G6H50B	HP SD Pro 44-in Scanner
	G6H51B	HP HD Pro 42-in Scanner
	CZ317A	HP PageWide XL PostScript/PDF Upgrade Kit ¹⁸
	CZ318A	HP PageWide XL Drawer
	L3J69AAE	HP SmartStream Preflight Manager
	L3J76AAE	HP SmartStream Print Controller for HP PageWide XL 4000/4500
	T9B46AAE	HP SmartStream Print Controller for non-HP Large Format printers ¹⁷
	Z8J18AAE	HP SmartTracker for HP PageWide XL 4000/4500 Printer
	C1Q19A	HP B41 PageWide XL Printhead
	F9J47A	HP B41 PageWide XL Cleaning Container
Original HP PageWide XL printheads and consumables	F9J48A	HP B41 PageWide XL Maintenance Cartridge
	C1Q57A	HP B43A 400-ml Black PageWide XL Ink Cartridge
	C1Q58A	HP B43A 400-ml Cyan PageWide XL Ink Cartridge
Original HP PageWide XL ink cartridges	C1Q59A	HP B43A 400-ml Magenta PageWide XL Ink Cartridge
	C1Q60A	HP B43A 400-ml Yellow PageWide XL Ink Cartridge
	L4L08A	HP Universal Bond Paper, 3-in Core (FSC® certified) ¹⁸ ¹⁹ 36 in x 500 ft (914 mm x 152.4 m)
Original HP large format printing materials	LSP98A	HP Production Matte Poster Paper, 3-in Core (FSC® certified) ¹⁸ ¹⁹ 40 in x 300 ft (1016 mm x 91.4 m)
	LSQ03A	HP Production Satin Poster Paper, 3-in Core (FSC® certified) ¹⁸ ¹⁹ 40 in x 300 ft (1016 mm x 91.4 m)
	LSC80A	HP Universal Heavyweight Coated Paper, 3-in Core (FSC® certified) ¹⁸ ¹⁹ 36 in x 300 ft (914 mm x 91.4 m)
	LB619A	HP Matte Polypropylene, 3-in Core 40 in x 150 ft (1016 mm x 45.7 m)

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Find the media solution that fits your business and your HP PageWide XL printer at hp.com/go/mediasolutionslocator.

Key Highlights

- Save paper with automatic print settings and image nesting
- ENERGY STAR® certified and EPEAT Silver registered⁹
- Free, convenient HP Ink cartridge recycling²⁰
- FSC®-certified papers.¹⁸ range of recyclable HP media¹⁹

Please recycle large-format printing hardware and printing supplies.
Find out how at our website hp.com/ecosolutions





HP SmartStream software for HP PageWide XL and HP DesignJet printers

Your large-format production workflow—two times more efficient¹



SPEED

Do jobs in 50% of the time¹

- Meet the tightest deadlines with ultra-fast HP SmartStream Preflight Manager file analysis and processing
- Reduce reprints—rely on native PDF management with Adobe PDF Print Engine 4²
- Stop changing settings one by one—create presets to bundle all desired settings, then reuse as needed
- Stay productive with an easy and intuitive user interface

EFFICIENCY

Streamline your production workflow

- Easily distribute the HP SmartStream configuration into different workstations—presets, hot folders, printers
- Make sure files are produced reliably with the automatic detection of potential issues
- Manage your HP PageWide XL, HP DesignJet production printers, and non-HP large-format printers³
- Run HP accessories, including online folders, stackers, and standalone scanners

GROWTH

Expand with color production

- Efficiently produce all your GIS maps and point-of-sale (POS) poster applications on HP PageWide XL printers
- Preview color just as it will print, and adjust settings with interactive HP Crystal Preview Technology
- Get the most out of your media with nesting designed to minimize paper waste
- Get accurate data for invoicing—job report summary even includes pixel coverage

To download the trial version, please visit
hp.com/go/designjetsmartstream_trial
hp.com/go/smartstreampagewidexl_trial

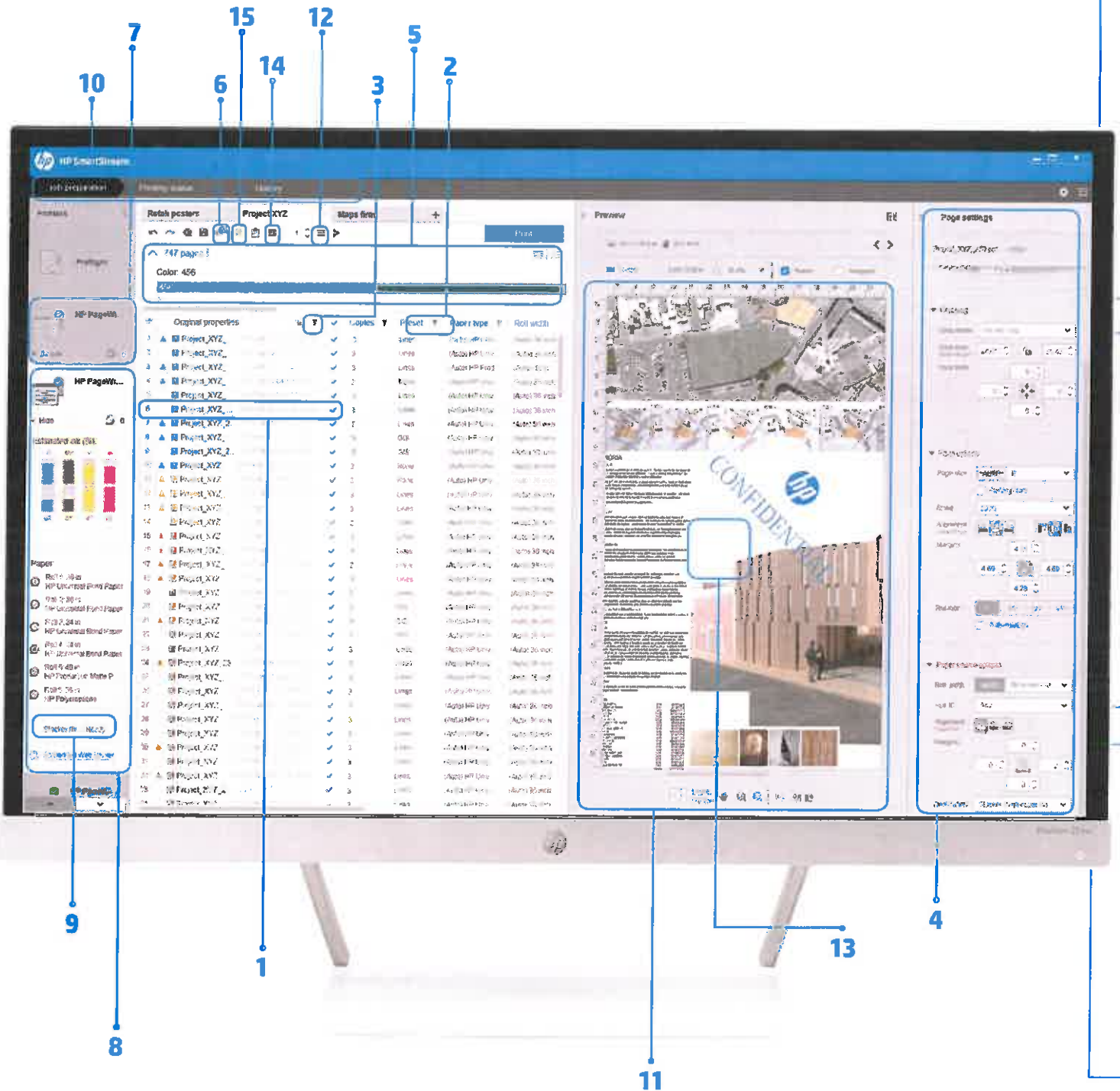
¹ Using HP SmartStream software, job preparation and processing can be completed in 50% of the time. Conclusion based on an HP internal test, March 2015 comparing select competitor printers and software to HP SmartStream software with the HP DesignJet T7100 Printer and HP PageWide XL printers, measuring the time required to extract pages from a 50-page document and print them using several printers compared with using equivalent software programs.

² 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.

³ Support provided for a limited number of brands and models to be available after the introduction of HP SmartStream for HP PageWide XL, HP DesignJet, and non-HP large-format printers. For more information, see hp.com/go/smartstream/trial.

HP SmartStream software

Help improve your productivity and operator efficiency





Finish jobs in 50% of the time¹

1. Paper size and type (color or monochrome) automatically detected
2. Save settings into a preset and apply them when needed
3. Filtering and sorting option, and extract feature—multipage job management
4. Adjust all your printing settings per page, file, or job
5. Use the classification of pages by size and color to apply settings or to (re)move them—simplify production of large jobs

SPEED



Enhance your production workflow

6. Submit Jobs to HP SmartStream or directly to Print through shared hot folders
7. Multi-printer support—HP PageWide XL, HP DesignJet production printers, and non-HP large-format printers³
8. Detailed information about printer status, ink level, loaded media, and pages in the queue to be printed
9. Production accessories integration—online folders, stackers, and scanners
10. Keep track of the status of your job through the Printing queue and Job history panel; Job history allows you to easily make reprints

EFFICIENCY



Expand with color production

11. HP Crystal Preview Technology—preview color just as it will print
12. Get accurate data for invoicing and check if files are printed correctly with the job summary data that can be included in the job separator page
13. Add text or image stamps to jobs and save them as templates to reuse when needed
14. Help cut media costs with automatic nesting
15. Resolution center—automatic detection of potential PDF and layout issues

GROWTH

Technical specifications

Supported file types	PDF, TIFF, JPEG, DWF(x), and HP-GL/2, even within a ZIP. All file formats supported with HP SmartStream Submission Driver
Supported HP PageWide XL printers and accessories	<p>HP PageWide XL 8000 Printer</p> <p>HP PageWide XL 8000 Blueprinter⁴</p> <p>HP PageWide XL 5000 Multifunction Printer</p> <p>HP PageWide XL 5000 Printer</p> <p>HP PageWide XL 5000 Blueprinter⁴</p> <p>HP PageWide XL 4500 Multifunction Printer</p> <p>HP PageWide XL 4500 Printer</p> <p>HP PageWide XL 4000 Multifunction Printer</p> <p>HP PageWide XL 4000 Printer</p> <p>HP PageWide XL Folder</p> <p>HP PageWide XL Folder with Tab Applicator</p> <p>HP PageWide XL Folder with Scandinavian Tab Applicator⁶</p> <p>HP F60 Folder</p> <p>HP F60 Folder with Tab Applicator</p> <p>HP PageWide XL High-capacity Stacker</p> <p>HP PageWide XL Top Stacker</p> <p>HP SmartTracker software</p>
Supported HP DesignJet printers and accessories	<p>HP DesignJet T7200 Production Printer</p> <p>HP DesignJet T7100 Printer (excluding the HP DesignJet T7100 Monochrome Printer)</p> <p>HP DesignJet T3500 Production Multifunction Printer</p> <p>HP DesignJet Z6200 Photo Production Printer</p> <p>HP DesignJet Z6600 Production Printer</p> <p>HP DesignJet Z6800 Photo Production Printer</p> <p>HP DesignJet 110V Stacker⁵</p> <p>HP DesignJet 220V Stacker</p>
Note:	HP SmartStream for HP PageWide XL and HP DesignJet printers supports PostScript printers.
Supported third-party printers and accessories	<p>GERA—Butterfly Extra II Folder⁶</p> <p>GERA—Ladybird II - online folder⁶</p> <p>GERA—Ladybird III - online folder⁶</p> <p>es-te - estefold 4211 HP⁵</p>
Note:	Printing to non-HP printers is done through specific drivers, each of them covering several non-HP large format printers. ⁷
Scanning integration	<p>HP PageWide XL 5000 Multifunction Printer integrated scanner</p> <p>HP PageWide XL 4500 Multifunction Printer integrated scanner</p> <p>HP PageWide XL 4000 Multifunction Printer integrated scanner</p> <p>HP DesignJet T3500 Production Multifunction Printer integrated scanner</p> <p>HP HD Pro 42-in Scanner</p> <p>HP SD Pro 44-in Scanner</p>
Available languages	English, French, German, Spanish, Italian, Dutch, Japanese, Korean, Polish, Portuguese, Russian, Chinese, Taiwanese, Catalan
Delivery	Licensing system ⁸
Warranty	90-day warranty

For more information, please visit
hp.com/go/smartstreampagewidexl
hp.com/go/smartstreamdesignjet

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4AA5-7448ENA, February 2017

Ordering information

Product	L3J69AAE	HP SmartStream Preflight Manager for HP PageWide XL and HP DesignJet printers
	L3J71AAE	HP SmartStream Preflight Manager for HP PageWide XL and HP DesignJet printers—One year subscription ⁹
	L3J72AAE	HP SmartStream Print Controller for HP PageWide XL 8000 Printer
	L3J73AAE	HP SmartStream Print Controller for HP PageWide XL 8000 Blueprinter ⁴
	L3J74AAE	HP SmartStream Print Controller for HP PageWide XL 5000 Printer series
	L3J75AAE	HP SmartStream Print Controller for HP PageWide XL 5000 Blueprinter ⁴
	L3J76AAE	HP SmartStream Print Controller for HP PageWide XL 4000/4500 Printer series
	L3J77AAE	HP SmartStream Print Controller for HP DesignJet T7100/T7200 Production Printers
	L3J78AAE	HP SmartStream Print Controller for HP DesignJet T3500 Production Multifunction Printer
	L3J79AAE	HP SmartStream Print Controller for HP DesignJet Z6200/Z6600/Z6800 Production Printers
	T9B46AAE	HP SmartStream Print Controller for non-HP large-format printers ⁷

Minimum requirements

Computer hardware and software	Intel Core i3 2.4 GHz with 4 virtual cores/threads
	4 GB of RAM
	3.5 GB of free space on hard disk, plus 100 MB for each additional printer added
	Screen resolution of 1280 × 1024 pixels, tuned or calibrated to sRGB for optimal HP Crystal Preview performance
	Ethernet, IPv4, 100 Mb/s
	Microsoft Windows 7, 8 or 10 (32- or 64-bit)

Note: Based on the minimum computer hardware and software requirements, it is not recommended to add more than 10 printers.

¹ Only available in Asia Pacific countries with the exception of Korea, Singapore, Australia, and New Zealand.

² Not available in Asia Pacific and Japan.

³ Only available in Europe, the Middle East, and Africa.

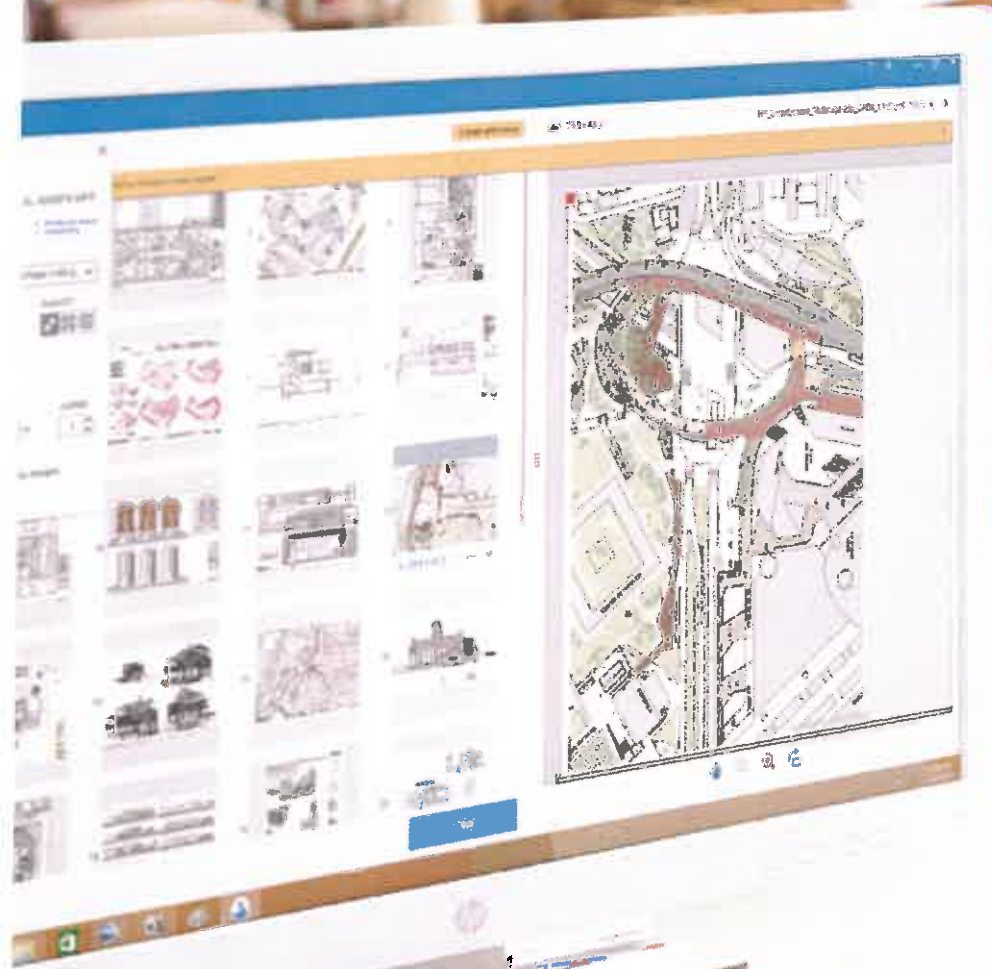
⁴ Printing to non-HP large format printers is done through specific drivers, each of them covering several printers: Océ Windows Printer Driver (WPD), KIP Windows Driver WHQL, RICOH PostScript Driver, Xerox WHQL Driver. For more information, please visit: hp.com/go/smartstream/trial.

⁶ Licenses need to be installed in a license server, which can be placed in a physical or virtual machine (VMware Workstation, VMware ESXi, Virtual Box).

⁹ Not available in North America and Canada.



HP Click printing software



Radically simple printing experience for HP DesignJet printers and the HP PageWide XL 4000/4500 Printer series¹

With one click,² print the most common formats like PDF, JPEG, TIFF, HP-GL/2 files from a PC or Mac. Produce a wide range of applications. Automatic features optimize media usage, costs.



EASY—Radically simple printing

- Enables one-click printing¹
- Simple settings
- Real-print preview
- Drag and drop multipage PDF



SAVE—Optimize media usage and costs

- Auto-orientation
- Resizing and alignment
- Automatic nesting
- PDF error check



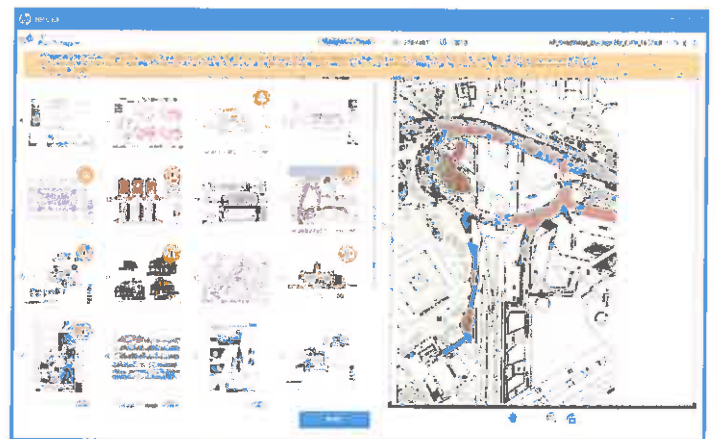
DO MORE—Produce a wide range of applications

- From posters and roll-up banners to CAD drawings and maps
- Print from Windows, Mac OS to HP DesignJet printers, HP PageWide XL 4000/4500 Printer series¹

Automatic nesting feature



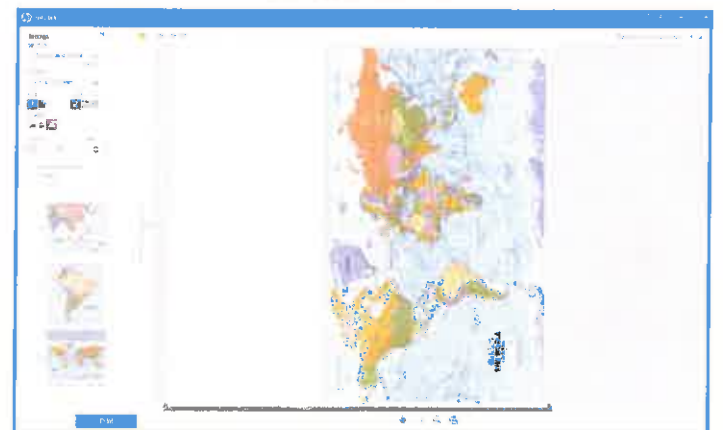
PDF error check



Resizing



Alignment



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¹ HP PageWide XL PostScript/PDF Upgrade Kit required for HP PageWide XL 4000/4500 Printers.

² Once image is selected, one-click printing when printing the entire file without any modifications to the print settings. Applicable to PDF, JPEG, TIFF, and HP-GL/2 files.

