

# HP Indigo WS6600 Digital Press



**A high-capacity, high-quality narrow-web labels and packaging solution**



## **Efficiency and versatility for a broad range of applications to grow your business**

The HP Indigo WS6600 Digital Press is the most cost-effective, high-quality narrow-web printing solution for high-volume labels and packaging production. The best-selling mainstream solution in the industry and the choice of the world's leading brands, the press delivers high throughput and superior color quality.

### **Enjoy unmatched productivity**

The most productive digital solution in its class, the press delivers the industry's highest crossover point in narrow-web production vs. analog for the vast majority of pressure-sensitive label jobs. The press can produce up to 130 linear feet per minute in color and up to 196 linear feet/minute in 1- or 2-color mode.

### **The leader in print quality and color**

HP Indigo's superior liquid Electrolink technology is the only digital color printing process that matches gravure printing. It provides the widest digital color gamut using up to 7 ink stations on press, allowing converters to meet even the most stringent corporate branding requirements. With high resolution printing and perfect registration, the HP Indigo labels and packaging solution produces eye-catching, distinctive packaging. Up to 97% of the PANTONE® color gamut can be achieved using on-press simulations or an off-press ink mixing system.

### **Application versatility**

The press offers unmatched application flexibility, enabling production of a wide range of label applications, flexible packaging, sleeves, and folding cartons. It supports pre-treated materials as well as standard, off-the shelf substrates with in-line priming.

### **End-to-end workflow**

Together with market-leading partners, HP Indigo offers end-to-end solutions specifically designed to meet all the needs of labels and packaging converters from order to fulfillment .

### **Boost your sustainability**

Make business more environmentally responsible by shifting production from conventional to digital technology. The HP Indigo WS6600 Digital Press has received the Green Leaf Mark from Intertek, one of the world's leading independent certification and testing companies. It also supports many eco-certified substrates as well as environmentally friendly primers, varnishes, and adhesives.

# Industry benchmark in labels and packaging production

## Application versatility

The HP Indigo WS6600 Digital Press is a one-stop-shop solution for converters to produce any labels or packaging job on any substrate with easy and quick changeovers between applications.

**One Shot Color technology.** Achieve accurate, repeatable printing. All color separations are laid down simultaneously in a single pass on the substrate, creating perfect color-to-color registration including on heat-sensitive materials.

**Widest media gamut.** The press supports the widest range of media in digital production including synthetic and paper substrates from 0.5 to 18 pt. Print on either pre-optimized substrates or standard off-the-shelf materials using inline or offline priming solutions.

**Inline Priming Unit.** This unique capability allows use of standard, non-treated substrates while eliminating the need for pre-planned treatment, making the support of last-minute jobs easier and quicker than ever before. Designed for easy operation and high performance, the Inline Priming unit is automatically controlled by the press software.

**Security printing.** Provides an end-to-end security printing solution with superior print quality producing microtext printing as small as 0.7 pt, VDP capabilities, and integration with a variety of creation and inspection solutions from the world's leading providers.

## Unmatched productivity

The leading mainstream solution, the HP Indigo WS6600 Digital Press offers unmatched production efficiency with advanced automation, higher uptime, and serviceability.

**Enhanced Productivity Mode (EPM).** Using color technology innovation, EPM increases press throughput by 33% for most new color jobs and by 25% when adding white ink, achieving distinct HP Indigo quality with reduced turnaround time and lower cost per printed linear foot.

**Advanced automation.** The advanced automation of the HP Indigo WS6600 Digital Press, using software and the inline scanner, reduces the need for operator intervention and increases uptime, ensuring a high level of performance.

**Improved serviceability.** Tools for remote diagnostics and operator-level troubleshooting increase uptime and overall productivity.

**Keeping you up to date.** Many press enhancements and upgrades are available as options for all HP Indigo WS6000 Series Digital Press owners.



## Advanced workflow solutions

Together with hand-picked market-leading partners, HP Indigo has built a well-integrated ecosystem that provides converters with all the tools they need from order to fulfillment.

**Powerful print server.** HP SmartStream Labels and Packaging Print Server is designed especially for HP Indigo by Esko. It includes best-in-class job management tools to automate and simplify workflow, as well as a powerful Color Engine. The Color Engine is a fully integrated solution for complete color management. It quickly creates profiles that match PANTONE and spot colors, satisfying brand requirements and ensuring accurate color matching from any technology to an HP Indigo press.

The print server is equipped with a dedicated Adobe RIP for consistent, high-quality output. The server also enables proprietary, bi-directional connectivity with the Esko Automation Engine, or direct connectivity with any MIS system via JDF protocol.

**Multiple VDP solutions.** HP SmartStream Labels and Packaging VDP Tools, Powered by Esko, provide automatic printing of unique elements such as barcodes, text, singular numbers, photos, and security features. HP SmartStream Designer is an entry-level VDP offering with unique creative functionalities.

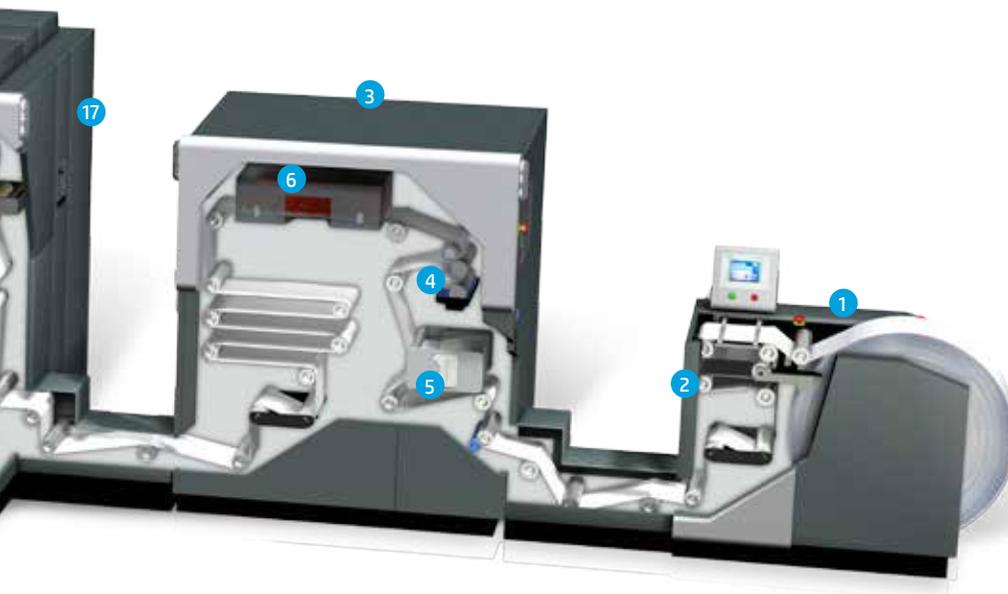
**Converting solutions.** A full range of solutions is provided by AB Graphics International and other leading vendors.

**End-to-end efficiency.** Integration of pre-press, production management tools, inspection and more drive superior quality, efficiency, and profitability by lowering human intervention and creating automated flow of jobs.

Please refer to the Labels and Packaging Workflow Solutions brochure for more information.



Use HP SmartStream products and partner solutions with the HP Indigo WS6600 Digital Press to improve production efficiency and support digital growth. To learn more visit [hp.com/go/smartstream](http://hp.com/go/smartstream)



1. Unwinder
2. Web guide
3. Inline Priming Unit
4. Priming station
5. Corona
6. Dryer
7. High-speed laser writing head
8. Charge roller
9. Photo Imaging Plate (PIP)
10. Binary Ink Developers (BIDs)
11. Blanket
12. Impression cylinder
13. Inline densitometer
14. Ink cabinet
15. Inline scanner
16. Rewinder
17. Imaging oil recycling system

## Technical specifications

<b>Printing speed</b>	Up to 98 ft/min in 4-color mode Up to 130 ft/min in Enhanced Productivity Mode Up to 196 ft/min in 1- or 2-color mode
<b>Image resolution</b>	812 dpi at 8 bit, addressability: 2438 x 2438 dpi HDI (High Definition Imaging)
<b>Line screens</b>	144 (sequin), 175, 180 lpi
<b>Image format</b>	12.48 x 38.58 in maximum
<b>Substrate thickness*</b>	0.5 to 18 pt.
<b>Substrate type</b>	Pressure-sensitive label stock, paperboard, and unsupported films
<b>Web width</b>	Max. width: 13.39 in / Min. width: 7.87 in
<b>Unwinder</b>	Input roll max. diameter: 39.37 in Core inside diameter: <ul style="list-style-type: none"><li>• Standard: 3 in</li><li>• Optional: 6 in</li></ul> Max. roll weight: 595 lb
<b>Rewinder</b>	27.56 in max. roll diameter
<b>Print server</b>	HP SmartStream IN100 Labels and Packaging Print Server and Color Engine, Powered by Esko
<b>Press dimensions</b>	Length: 228 in, Width: 155 in, Height: 83 in; Inline Priming Unit: Length: 55 in; Width: 61 in; Height: 40 in
<b>Press weight</b>	9100 lb; Inline Priming Unit: 4000 lb
<b>HP Indigo ElectroInks</b>	
<b>Standard 4-color printing</b>	Cyan, magenta, yellow, and black
<b>5-color printing</b>	Cyan, magenta, yellow, black, and white
<b>HP IndiChrome 6-color printing</b>	Cyan, magenta, yellow, black, orange, and violet
<b>HP IndiChrome Plus 7-color printing</b>	Cyan, magenta, yellow, black, orange, violet, and green
<b>HP IndiChrome off-press spot inks</b>	HP IndiChrome Ink Mixing System (IMS) for spot color creation using CMYK as well as orange, violet, green, reflex blue, rhodamine red, bright yellow, and transparent
<b>PANTONE® colors</b>	Supports PANTONE PLUS®, PANTONE MATCHING SYSTEM®, PANTONE Goe™ HP Professional PANTONE Emulation Technology using CMYK on-press; HP IndiChrome on-press; HP IndiChrome Plus on-press; HP IndiChrome off-press (IMS) for achieving up to 97% of the PANTONE® color range.
<b>Options</b>	
<b>Expanded color capabilities</b>	5, 6, or 7 on-press on-press ink stations; HP IndiChrome Ink Mixing System
<b>Enhanced Productivity Mode</b>	Enables EPM
<b>Inline Priming Unit</b>	Enables easy on-demand treatment of substrates
<b>Configurations</b>	Dual mode inline finishing connectivity kit, flexible packaging packer arm support in rewinder
<b>Print server options</b>	HP SmartStream Labels and Packaging VDP Tools, Powered by Esko HP SmartStream Labels and Packaging Prepress Tools, Powered by Esko
<b>Reinsertion</b>	Simplex and duplex capability

\*Media characteristics vary. If the media you are about to use is not listed in the Media Locator, HP cannot guarantee performance and we recommend that you test it prior to use.



Independently verified for  
environmental credentials



Please scan this QR code to learn more about the  
HP Indigo WS6600 Digital Press.

Learn more at  
[hp.com/go/indigo](http://hp.com/go/indigo)

Sign up for updates  
[hp.com/go/getupdated](http://hp.com/go/getupdated)



Share with colleagues



Rate this document

© Copyright 2013 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

PANTONE® and other Pantone, Inc. trademarks are the property of Pantone, Inc.

4AA3-8600ENW, September 2013

