

# HP Indigo 8000 Digital Press



Breakthrough productivity for narrow-web labels and packaging printing



## Reshaping mainstream production

The HP Indigo 8000 Digital Press is a productivity game-changer that brings double the speed to the market's best-selling, narrow-web labels solution. Designed to handle even the longest and most demanding jobs, the press enables converters to reshape business and move toward full digital production.

### Unmatched productivity

At a speed of up to 262 feet a minute, digital benefits meet mainstream productivity for the production of any job. Advanced color automation and sophisticated color matching tools make it fast and easy to hit brand colors with extreme accuracy, consistency and repeatability from the first print to the last.

### The leader in print quality and color

HP Indigo's superior liquid ElectroInk technology is the only digital color printing process that matches gravure printing, delivering high resolution printing and perfect registration. Converters can meet strict brand color standards using up to 7 ink stations and a color gamut that reaches up to 97% of PANTONE® colors.

### The choice of brands

Brands such as Coca-Cola, Budweiser, P&G, and Oreo are deploying HP Indigo's proven print quality and flexible technology to respond to market challenges and stay competitive. HP Indigo printing can address SKU proliferation and seasonal redesigns, optimize supply chains, and produce mass customization for campaigns that boost sales. Unique variable data capabilities for brands include HP SmartStream Mosaic unlimited designs, barcodes, text, images and security features.

### Application versatility

Produce a wide range of narrow-web applications with easy and quick changeovers, including pressure-sensitive labels and shrink sleeves. Print on substrates from 0.5 pt. to 18 pt including off-the shelf substrates with in-line priming HP Indigo ElectroInk Premium White delivers high opacity white in a one-pass process, opening new digital opportunities.

### End-to-end workflow

Benefit from the HP Indigo workflow ecosystem including the high-automation Workflow Suite Powered by Esko, and integrated MIS, pre-press and converting solutions from partners including ABG and Schober.

### Reinvent print production

HP PrintOS is a print production operating system with apps that help you get more out of your HP Indigo presses, and simplify and automate your production. Use PrintOS to continuously improve operations. Access the open and secure cloud-based PrintOS platform anytime, anywhere.



### Boost your sustainability

The HP Indigo 8000 Digital Press is manufactured carbon neutral, and offers reduced production waste, a takeback program, and energy efficiency. Certified with the Intertek Green Leaf Mark.

**CO<sub>2</sub> neutral**

To learn more, visit [hp.com/go/graphic-arts](http://hp.com/go/graphic-arts) or [hp.com/go/hpindigo8000](http://hp.com/go/hpindigo8000)

# The most productive labels press

## High-quality, high-volume production



**High resolution printing.** HP Indigo's liquid electrophotography (LEP), using HP Indigo ElectroInk with minute ink particles, delivers crisp linework, attractive images and smooth vignettes with a very thin ink layer that gives uniform gloss between the ink and substrate.

**Widest digital color gamut.** Use up to 7 ink stations to take advantage of the extensive color gamut. Emulate PANTONE® colors on press using CMYK or HP IndiChrome's 6- or 7-color process. True spot colors can be mixed off-press with the HP IndiChrome Ink Mixing System or ordered for outstanding Pantone-approved solids.

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

**Color management.** The Color Automation Package guarantees standards-matching color accuracy and consistency via closed-loop, fully monitored control. Built-in spectrophotometers and software tools simplify color management and eliminate the need for expensive software, hardware and manual calibration processes. Create color profiles and match PANTONE® colors in a simple, precise process. Hit the right color from the first to the last label, across Indigo presses, sites and time.

**Enhanced Productivity Mode.** Use three-color printing in EPM to increase throughput by 33%, with 25% less energy consumed.

**Fits into any production environment.** The HP Indigo 8000 Digital Press complements a fleet with the HP Indigo WS6800 Digital Press and HP Indigo 20000 Digital Press for an agile, high productivity environment.

## Unbeatable productivity and versatility

**Premium White.** HP Indigo ElectroInk Premium White is a versatile, opaque white, delivering up to silk screen opacity in single print process. The ink effectively doubles the base layer opacity, delivered in a thin white layer, fully dried and cured on impact.

**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.

**Unlimited designs.** HP SmartStream Mosaic variable design technology enables a one-of-a-kind, memorable customer experience. It automatically generates millions of unique designs from a



fixed number of seed patterns and now includes color shuffling capabilities.

**Innovative inks.** HP Indigo ElectroInk White for Sleeves is a high slip ink that improves efficiency in the converting of shrink sleeves by reducing the friction coefficient (CoF). The HP Indigo ElectroInk Fade Resistant Yellow and HP Indigo ElectroInk Fade Resistant Magenta ink set expands addressability of applications that require a high level of lightfastness in outdoor conditions.

**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.

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



## End-to-end production efficiency

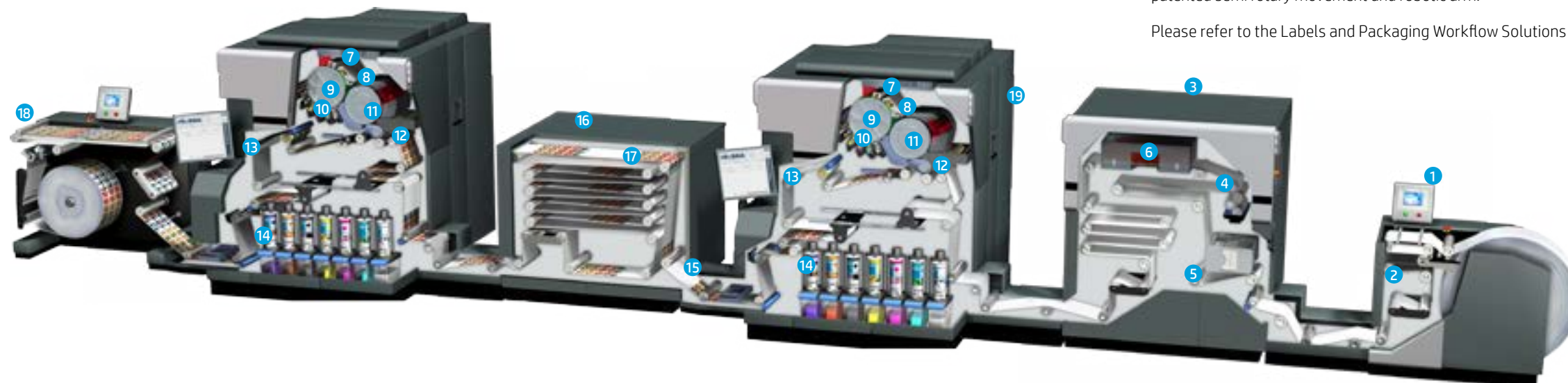
**Powerful print server.** HP SmartStream Labels and Packaging Print Server, Powered by Esko, provides the most advanced and comprehensive tools in the industry for streamlining pre-press processes. It features best-in-class, fully integrated solutions for accurate and fast digital color management to reproduce any print job. It enables bi-directional connectivity with industry standard prepress automation and production management systems and is driven by a powerful Adobe RIP engine.

**PrintOS.** Print Beat provides visibility to press performance and real-time data-insights, for continuous improvements of print operations. With PrintOS Site Flow efficiently manage any number of jobs per day, even hundreds or thousands, from submission to shipment. Heavy VDP processing horsepower is available on demand with PrintOS Composer.

**Converting solutions.** A full range of inline and offline label converting solutions is provided by AB Graphics International including a fast die cutting station. A high-quality in-mold label (IML) solution is available from Schober for cutting and stacking any label of any size with a special patented semi rotary movement and robotic arm.

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

**Service Advantage**  
Our certified service teams are committed to meeting your end-to-end needs for accelerated ramp-up and maximum uptime. Remote engineers around the world provide support in multiple languages. Use the on-press capabilities of Print Care to resolve issues quickly and independently. The Smart Uptime Kit helps you to quickly locate the right part and manage your inventory.



- 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 spectrophotometer
- 14. Ink cabinet
- 15. Inline scanner
- 16. Buffer Control Unit
- 17. Inspection table
- 18. Rewinder
- 19. Imaging oil recycling system

## Technical specifications

|  |   |
|--|---|
| <b>Printing speed</b>                      | 197 ft/min in 4-color mode<br>262 ft/min in Enhanced Productivity Mode  |
| <b>Image resolution</b>                    | 812 dpi at 8 bit, addressability: 2438 x 2438 dpi HDI (High Definition Imaging)   |
| <b>Line screens</b>                        | 175, 180, 196, 210 lpi  |
| <b>Image format</b>                        | 12.25 x 38.58 in (special marks complete print width format to 12.59 in)  |
| <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<br>Core inside diameter:<br>Standard: 3 in<br>Optional: 6 in<br>Max. roll weight: 595 lb   |
| <b>Inline Priming Unit</b>                 | Enables easy on-demand treatment of substrates  |
| <b>Rewinder</b>                            | 27.56 in max. roll diameter   |
| <b>Print server</b>                        | HP SmartStream IN120 Labels and Packaging Print Server and Color Engine, Powered by Esko  |
| <b>Press dimensions</b>                    | Length: 493.4 in, Width: 94.5 in, Height: 82.7 in   |
| <b>Press weight</b>                        | 21,089 lb (including inline priming unit)   |
| <b>HP Indigo ElectroInks</b>               |   |
| <b>Standard 4-color printing</b>           | Cyan, magenta, yellow, and black  |
| <b>Additional process inks</b>             | White, white for sleeves, premium white, fade resistant yellow, fade resistant magenta  |
| <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™<br>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>Enhanced Productivity Mode</b>          | Enables three-color EPM printing  |
| <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<br>HP SmartStream Labels and Packaging Prepress Tools, Powered by Esko   |
| <b>Reinsertion</b>                         | Simplex and duplex capability   |

\*Media characteristics vary. HP cannot guarantee performance of media not listed in the Media Locator and recommends testing prior to use.



Independently verified for  
environmental credentials

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 2016 HP 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.

4AA6-3972ENW, March 2016

