

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 colour automation and sophisticated colour matching tools make it fast and easy to hit brand colours with extreme accuracy, consistency and repeatability from the first print to the last.

The leader in print quality and colour

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

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, optimise supply chains, and produce mass customisation 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 Electrolnk 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.

CO₂ neutral

To learn more, visit hp.com/go/graphic-arts or 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 colour gamut. Use up to 7 ink stations to take advantage of the extensive colour gamut. Emulate PANTONE® colours on press using CMYK or HP IndiChrome's 6- or 7-colour process. True spot colours can be mixed off-press with the HP IndiChrome Ink Mixing System or ordered for outstanding Pantone-approved solids.

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

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

Enhanced Productivity Mode. Use three-colour 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

Widest media gamut. The press supports the widest range of media in digital production including synthetic and paper substrates from 12 to 450 microns. Print on either pre-optimised substrates or standard off-the-shelf materials using inline or offline priming solutions.

White inks. 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. 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).

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 colour shuffling capabilities.





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 colour 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

Printing speed	60 m/min in 4-colour mode 80 m/min in Enhanced Productivity Mode
Image resolution	812 dpi at 8 bit, addressability: 2438 x 2438 dpi HDI (High Definition Imaging)
Line screens	175, 180, 196, 210 lpi
Image format	311 mm x 980 mm (special marks complete print width format to 320 mm)
Substrate thickness*	12-450 microns
Substrate type	Pressure-sensitive labels and shrink sleeves stock
Web width	Max. width: 340 mm / Min. width: 200 mm
Unwinder	Input roll max. diameter: 1000 mm Core inside diameter: • Standard: 3 in • Optional: 6 in Max. roll weight: 270 kg
Inline Priming Unit	Enables easy on-demand treatment of substrates
Rewinder	700 mm max. roll diameter
Print server	HP SmartStream IN120 Labels and Packaging Print Server and Colour Engine, Powered by Esko
Press dimensions	Length: 12.5 m, Width: 2.4m, Height: 2.1m
Press weight	9566 kg (including inline priming unit)
HP Indigo ElectroInks	
Standard 4-colour printing	Cyan, magenta, yellow, and black
Additional process inks	Standard white, white for sleeves, and premium white
HP IndiChrome 6-colour printing	Cyan, magenta, yellow, black, orange, and violet
HP IndiChrome Plus 7-colour printing	Cyan, magenta, yellow, black, orange, violet, and green
HP IndiChrome off-press spot inks	HP IndiChrome Ink Mixing System (IMS) for spot colour creation using CMYK as well as orange, violet, green, reflex blue, rhodamine red, bright yellow, and transparent
PANTONE® colours	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® colour range.
Options	
Enhanced Productivity Mode	Enables three-colour EPM printing
Configurations	Dual mode inline finishing connectivity kit, flexible packaging packer arm support in rewinder,
Print server options	HP SmartStream Labels and Packaging VDP Tools, Powered by Esko HP SmartStream Labels and Packaging Prepress Tools, Powered by Esko
Reinsertion	Simplex 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

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