

HP Indigo 30000 Digital Press



75 cm digital sheetfed press for folding cartons



From idea to finished box

The HP Indigo 30000 Digital Press is a market-proven, 75 cm format offset-matching sheetfed solution empowering folding carton converters to capture high-margin opportunities and move to more efficient production.

Adopted by leading folding carton converters worldwide, the press offers a competitive edge with zero setup, minimal waste, and easy versioning capabilities to deliver shorter runs and faster turnaround time.

The leader in print quality and colour

Enabled by HP Indigo's liquid ElectroInk technology and unique digital offset process, HP Indigo digital prints are the highest quality. They match or exceed offset, allowing them to be used interchangeably. Use up to 7 ink stations on press and the widest digital colour gamut, reaching up to 97% of PANTONE® colours, to fulfill strict brand colour requirements.

The choice of brands

Brands around the world such as P&G, Nestle, Parmalat and the Jelly Bean Factory are deploying HP Indigo's proven print quality and versatile technology to respond to market challenges. HP Indigo printing can address SKU proliferation and seasonal redesigns, optimise supply chains, and produce mass customisation and personalisation for campaigns that boost sales and brand loyalty. Unique variable data capabilities for brands include HP SmartStream Mosaic unlimited designs, barcodes, text, images and security features.

Wide substrate versatility

Equipped with an inline priming system, the press prints on substrates from 250 to 600 microns, including coated, uncoated and off-the-shelf paperboard, metallised, and synthetics, enabling the production of almost any box, sleeve, card, or blister application in offset quality.

Optimised end-to-end production

Create an entire production line from idea to finished box. Digitally printed materials can be converted using optimised solutions or standard finishing equipment. Benefit from the HP Indigo ecosystem including the Workflow Suite Powered by Esko, pre-press and converting solutions from partners.

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 30000 Digital Press is manufactured carbon neutral, and offers reduced production waste, a takeback program, and energy efficiency.

CO₂ neutral

To learn more, visit hp.com/go/graphic-arts
or hp.com/go/hpindigo30000

New opportunities unfolding

Leading digital offset quality

Digital offset technology. HP Indigo's liquid electrophotography (LEP) technology, 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.

Setting new standards for print quality. The press is now delivering even sharper, higher quality printing using dozens of hardware, supplies and software innovations. Advances include optimised calibrations for perfect colour uniformity, tailored line screens, and a microsphere-based blanket.

Colour gamut. Take advantage of an extensive colour gamut including HP Indigo ElectroInk White. Emulate PANTONE® colours on press using CMYK or HP IndiChrome's 6- or 7-colour process. True spot colours can be ordered from the HP IndiChrome Ink Mixing Service for outstanding Pantone-approved solids.

One Shot technology. All colour separations are transferred in a single pass on the substrate, for perfect colour-to-colour registration, including on heat-sensitive materials.

Intelligent colour management. The Colour Automation Package guarantees standards-matching colour accuracy and consistency. A built-in spectrophotometer 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.

Food packaging printing regulatory compliance. HP Indigo ElectroInk printed on the HP Indigo 30000 Digital Press complies with industry standard definitions for low migration inks. Under well-defined conditions of use, it meets applicable FDA and EU regulations for food contact materials and allows safe and compliant printing of primary food packaging, when printed on the non-food contact side.* For more information, please refer to the HP Indigo for Food Packaging Printing brochure.

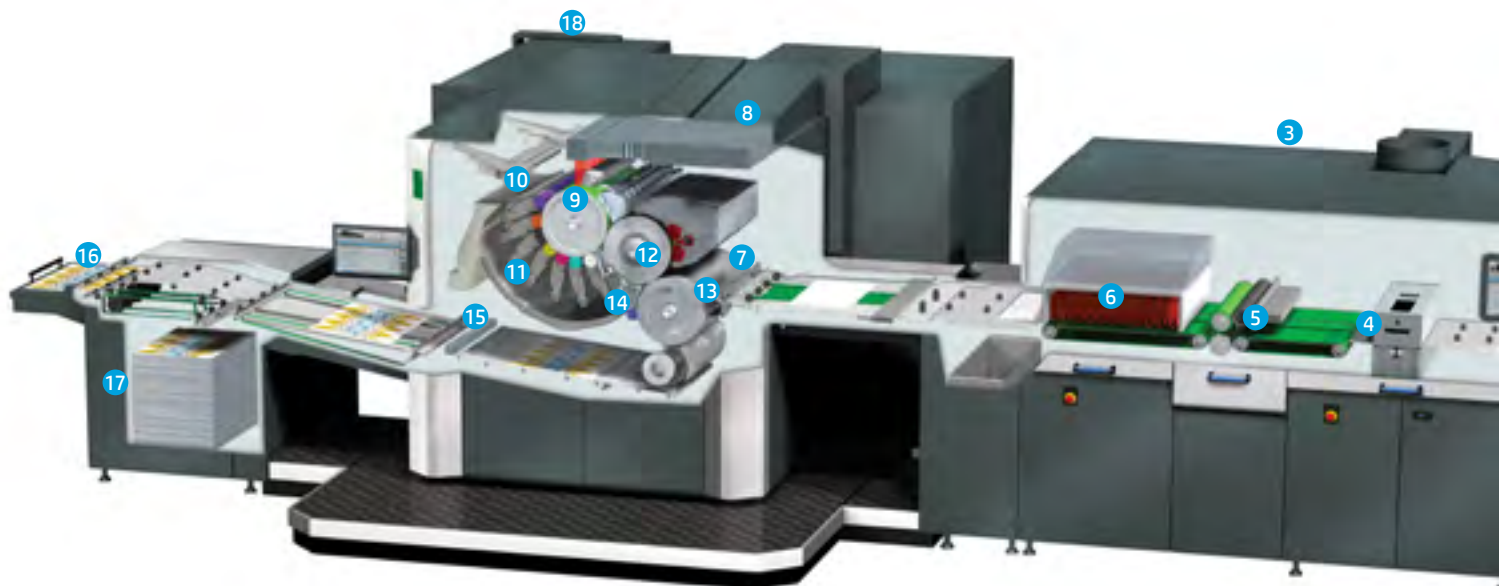


High production flexibility

Digital freedom. Print up to 60 different jobs per shift with automatic and immediate switching from one job to another.

High productivity. Reach a speed of up to 4600 full colour sheets per hour in Enhanced Productivity Mode (EPM), increasing throughput by 33% for most colour jobs using only three colour separations.

The right format. The 75 x 53 cm format covers the vast majority of folding carton jobs, while providing savings in setup time, procedures and waste for conventional finishing.





High-margin applications. An optional synthetics kit that includes an inline corona unit opens opportunities for high-margin substrates including metallised boards and synthetic media up to 630 microns, including PVC, PET and PP. The technology also supports dark substrates.

Integrated priming unit. This inline system allows usage of off-the-shelf paperboard. HP Indigo ElectroInk Digital Primer allows use of spot priming for rough substrates such as CCNB board.

Security printing. New and improved security features include microtext and micro-barcodes for brand protection.

Industry compatibility. The 75 cm format is compatible with offset palette feeding and finishing, as well as standards for varnishes, foil stamping, lamination, cutting, creasing, folding and gluing.

Advanced end-to-end solutions

Powerful print server. HP SmartStream Labels and Packaging Print Server, Powered by Esko, provides the most advanced 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.

Inline selective coating. An optimised solution, the TRESU iCoat 30000, is developed specifically for the Indigo 30000. The iCoat offers a range of modules including a corona, one or two coating towers of UV and aqueous varnish with fast changeover, a 100% inspection system from AVT, and a special system supporting high viscosity inks.

Die cutting and embellishments solutions. HP Indigo partners offer optimised solutions for digital production. KAMA Pro-cut die cutting is a flexible solution equipped with hot, register hologram, and embossing capabilities. The KAMA FlexFold fold and glue machine sets up in only a few minutes. Highcon and SEI offer digital creasing and cutting using laser technology. Scodix offers digital foil and special digital embossing effects. Kurz offers high quality foil.

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. Automate, simplify and streamline files submission with PrintOS Box. Use PrintOS Composer for heavy VDP processing including sophisticated Mosaic campaigns.



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. Palette feeder
2. Drawer feeder
3. Inline priming unit
4. Refreshment Corona
5. Priming unit
6. Dryer
7. Sensors for double sided printing capabilities
8. High-speed laser writing head
9. Photo Imaging Plate (PIP)
10. PIP Automated foil Replacement System (PARS)
11. Binary Ink Development (BIDs)
12. Blanket
13. Impression cylinder
14. Registration cameras
15. Inline scanner and spectrophotometer
16. Proof tray / Line coater bridge
17. Stacker
18. Ink cabinet

Technical specifications

Printing speed	3450 sheets per hour 4/0; 4600 sheets per hour in EPM
Image resolution	812 dpi at 8 bit, addressability: 2438 x 2438 dpi HDI (High Definition Imaging)
Line screens	175, 180, 180m, 180EPM, HMF-200
Sheet size	750 X 530 mm maximum
Image size	740 x 510 mm maximum
Substrate type	Paperboard, including C15 and C25, virgin, recycled and metallised. Optional support for synthetics.
Substrate thickness	Paperboard and metallised boards 250-600 microns; PVC and Polypropylene up to 630 microns; PET up to 400 microns
Substrate weight	Paperboard and metallised boards 150 to 450 gsm; PVC up to 880gsm; Polypropylene up to 630 gsm; PET up to 550 gsm
Feeder	Palette feeder: Up to 85 cm or 500 Kg of media. Drawer feeder: two drawers, with 30 cm of media.
Stacker	85 cm of media
Print server	HP SmartStream Labels and Packaging Print Server, Powered by Esko
Press dimensions	Length: 11,500 mm; Width: 4700 mm; Height: 2400 mm
Press weight	13,000 kg
HP Indigo ElectroInks**	
Standard 4-colour printing	Cyan, magenta, yellow, and black
5-colour printing	Cyan, magenta, yellow, black, and white
HP IndiChrome 6-colour printing	Cyan, magenta, yellow, black, orange, violet, and violet for packaging
HP IndiChrome Plus 7-colour printing	Cyan, magenta, yellow, black, orange, violet, violet for packaging and green
HP IndiChrome off-press spot inks	HP IndiChrome Ink Mixing Service 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®, and 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) Ink Mixing Service for achieving up to 97% of the PANTONE® colour range.
Options	
Enhanced Productivity Mode	Enables three-colour EPM printing
Operator workstation	Proof jobs, control the press, DFE remote station
Inline Coater Adaptor	Interface between press and inline coater
Synthetics kit	Print on synthetics. Includes corona unit for refreshment treatment (Optional)
Reinsertion Kit	Enables double-sided printing with accurate reinsertion (Optional)

*In keeping with the recommendation of government agencies such as the German Federal Institute for Risk Assessment (BfR), it is advisable to have a polymeric layer or other barrier between the paperboard inner surface and the food when printing on folding cartons or paperboards. **Food products and packaging are a highly regulated sector, with varying requirements depending on where they are placed on the market. Therefore, converters are reminded to ensure that all materials utilized in the printing process are suited for the intended application and its conditions of use, and that the printing is performed in accordance with Good Manufacturing Practices.



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