

# HP Indigo 30000 Digital Press

75 cm wide digital sheetfed press designed for the folding carton industry



The HP Indigo 30000 Digital Press, the breakthrough offset-matching solution the folding carton industry has been seeking for years, offers zero setup, minimal waste, and easy versioning capabilities. With its 75 cm format, the press empowers packaging converters to profitably address the evolving needs of their customers and gain a valuable competitive edge.

**A shift in market demands.** Folding carton converters worldwide are feeling the impact of shorter, more frequent print runs that are challenging the economics and productivity of existing systems. Supply chain pressures, growing stock keeping unit (SKU) diversity, frequent and seasonal redesigns, point-of-sale campaigns, and customised product offerings all require shorter print runs and faster turnaround time. There is also growing demand for value adding product specialization features with variable data including graphics, photos, text, barcodes, and security features.

**HP Indigo meets the challenge.** Digital printing can answer these changing market needs, but it must match offset quality and colour, and satisfy brands. This is the HP Indigo advantage. Its proven technology is already printing diverse packaging for discerning global brands such as P&G, Nestlé, Coca-Cola, and L'Oréal.

**Brand-approved, best-in-class quality.** HP Indigo's unique ElectroInk technology delivers quality indistinguishable from offset. The 7 on-press ink stations enable converters to meet even the most stringent corporate branding requirements.

- 4, 6, or 7 colours using HP IndiChrome for vivid printing and optimal on-press Pantone emulations.
- True spot colours, mixed off-press, for outstanding Pantone-approved solids.
- Unique HP Indigo One Shot Colour process delivers perfect colour registration from the first sheet.

**Easy fit into existing production lines.** The 75 cm format facilitates quick ramp up and easy integration into current production operations. The press is compatible with standard sheet size, offset palette feeding, and finishing devices, thereby enabling carton converters to optimise operations and assign jobs more economically.

**Wide substrate versatility.** The press prints on any substrate up to 600 microns, including off-the-shelf paperboard, metallised board, and plastics, enabling the production of almost any box, sleeve, or blister application with offset quality.

To learn more, visit [www.hp.com/go/graphic-arts](http://www.hp.com/go/graphic-arts) or [www.hp.com/go/hpindigo30000](http://www.hp.com/go/hpindigo30000)



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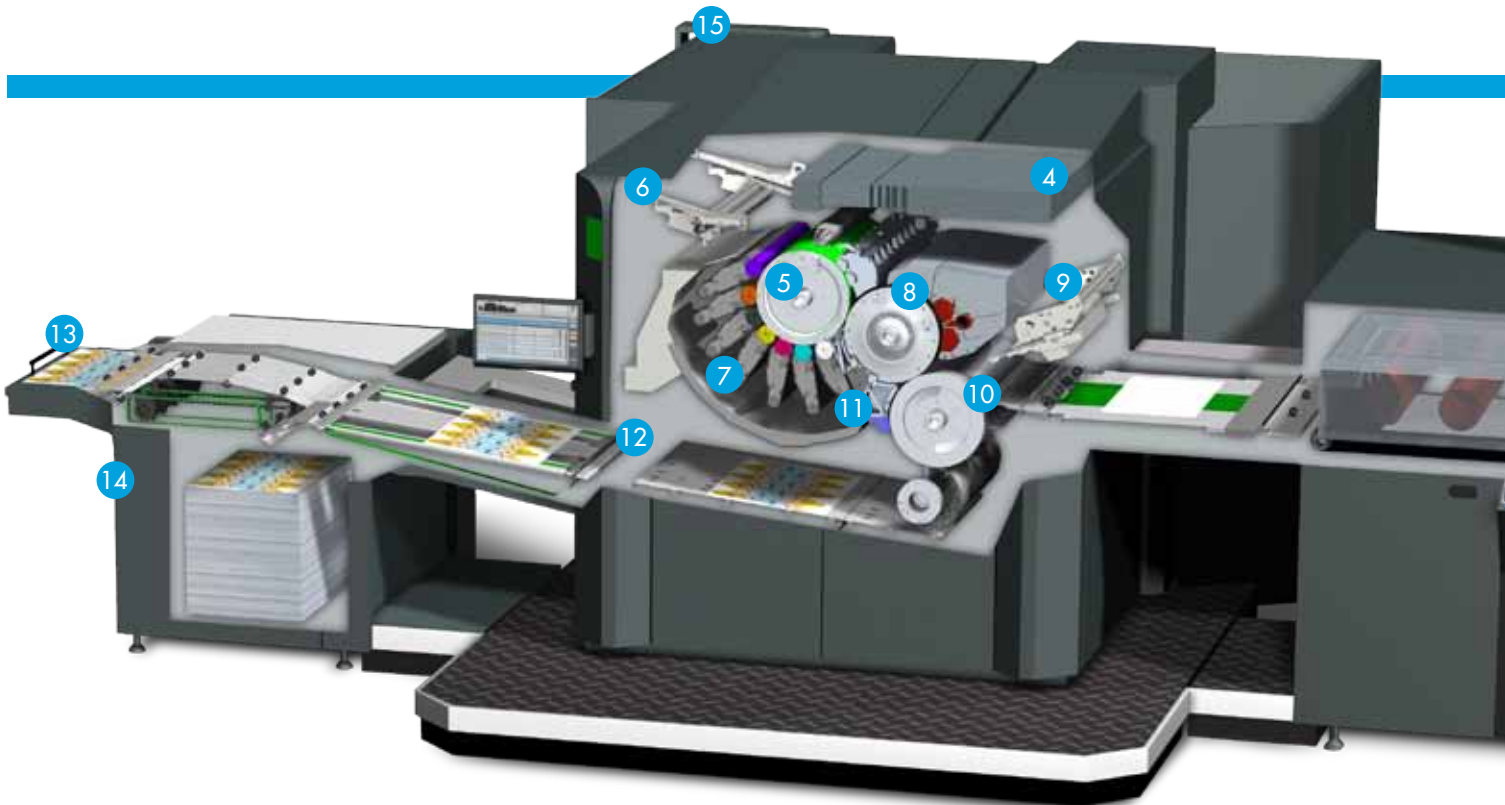
## 75 cm digital sheetfed printing solution for the folding carton industry

**Production flexibility.** With 75 cm format on-demand printing and broad substrate support, the press allows for efficient use of production resources to meet the changing demands of the market.

- Capable of running over 20 different jobs per shift (1000 sheets on average per job)—with no setup and minimal waste.
- Up to 4600 full colour sheets per hour in Enhanced Productivity Mode.
- 75 x 53 cm format covers the vast majority of folding carton jobs, while offering savings in setup and tooling costs for subsequent conventional finishing.
- Prints on any substrate from 200 to 600 microns. Perfect quality and registration is maintained on any surface with HP Indigo's One Shot Colour print process.
- An integrated priming unit allows usage of any off-the-shelf paperboard.
- HP Indigo print is compatible with industry standards for varnishes, foil stamping, lamination, cutting, creasing, folding and gluing, and is both FDA and EU compliant for indirect food contact.

**Advanced end-to-end solutions.** Together with market-leading partners, HP Indigo is developing a well-integrated ecosystem for the press that provides converters all the tools needed from order to completion.

- HP Indigo and Esko are developing a dedicated print server and workflow tools for the press. This integrated solution ensures accurate and efficient colour matching from any technology to the press. The capabilities include ICC profiling, advanced PANTONE colour matching algorithms, connectivity with multiple design and MIS systems, variable data printing tools, and automated workflow.
- A post-coating unit, co-developed with leading vendors in the paperboard market, integrates inline with the press, allowing inline selective coating (water-based and UV) with fast changeover, producing printed and coated output identical to a packaging offset press.
- HP Indigo has partnered with manufacturers of new digital finishing technologies (such as Highcon and Scodix) to offer an end-to-end, automated digital folding carton production line.



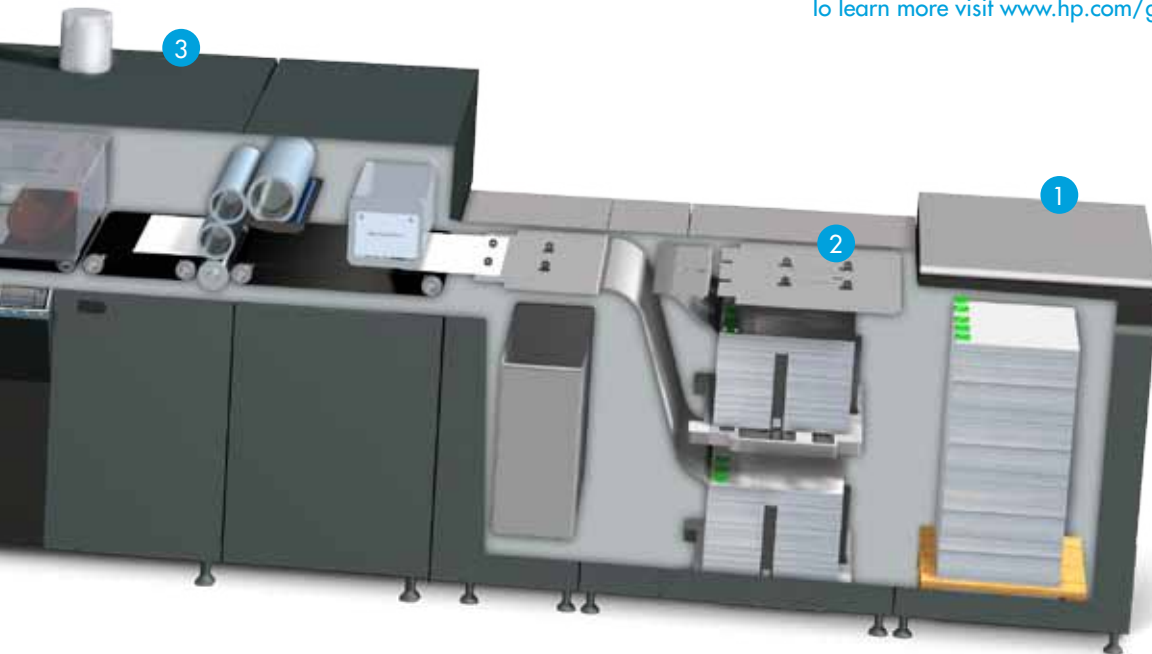
**Sustainability.** HP Indigo's digital, zero setup process eliminates plates and plate setting, and minimises waste, translating into significant cost savings while improving environmental scorecards. On-demand digital printing also reduces waste and over-stocking throughout the supply chain, allowing converters to offer their end customers and brands leaner, more sustainable packaging solutions.

- Save up to 120 tons of paperboard waste per year.
- Save up to 19,000 square metres of plate material.
- Improve overall sustainability by reducing inventories and obsolete stock.
- Provide eco-friendly packaging solutions by printing on recycled paperboards.



Use HP SmartStream products and partner solutions with the HP Indigo 30000 Digital Press to improve production efficiency and support digital growth.

To learn more visit [www.hp.com/go/smartstream](http://www.hp.com/go/smartstream)



1. Palette feeder
2. Two drawer feeder
3. Integrated priming unit
4. High-speed laser writing head
5. Photo Imaging Plate (PIP)
6. PIP Automatic Replacement System (PARS)
7. Binary Ink Developers (BIDs)
8. Blanket
9. Blanket Automatic Replacement System (BARS)
10. Impression cylinder
11. Registration cameras
12. Vision System & Spectrophotometer
13. Proof tray
14. Stacker
15. 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
Sheet size	750 X 530 mm maximum
Image size	740 x 510 mm maximum
Substrate thickness	200 to 600 microns
Substrate type	All types of paperboard, including C1S and C2S, virgin and recycled. Metallised boards, synthetics, and microflute top sheets.
Feeder	Palette feeder: 85 cm 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: 11,000 mm; Width: 4700 mm; Height: 2400 mm
Press weight	13,000 kg
<b>HP Indigo ElectroInks*</b>	
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, 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®, 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) for achieving up to 97% of the PANTONE® colour range.
<b>Options</b>	
Expanded colour capabilities	5, 6, or 7 on-press ink stations

\*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 utilised 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. HP Indigo complies with food packaging regulations: FDA, Title 21 of the Code of Federal Regulations for indirect food contact; Swiss Ordinance on Materials and Articles in Contact with Food, RS 817.023.21; EUPIA Guideline on Printing Inks Applied to the Non-Food Contact Surface of Food Packaging Materials and Articles (November 2011); Council of Europe Resolution ResAP (2005/2) for indirect food contact; Nestlé Guidance Note on Packaging Inks, exclusion lists for indirect food contact; German Food Law and Article 3 of the EU framework regulation 1935/2004, for non-food contact.



Please scan this QR code to learn more about the HP Indigo 30000 Digital Press.

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