

HP Indigo 30000 Digital Press

29 inch 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 29 inch 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 SKU diversity, frequent and seasonal redesigns, point-of-sale campaigns, and customized 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 color, 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 ink stations on the press enable converters to meet even the most stringent corporate branding requirements.

- 4-, 6- and 7-color printing using HP IndiChrome Pantone-certified on-press emulations
- Spot inks, mixed off press, to match over 97% of PANTONE® colors
- Unique HP Indigo One Shot process delivers perfect registration from the first sheet

Easy fit into existing production. The 29 inch 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 optimize operations and assign jobs more economically.

Wide substrate versatility. The press prints on any substrate up to 24 pt., including all types of off-the-shelf paperboard, metalized board, and plastics, enabling the production of almost any box, sleeve, or blister application in offset quality.

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



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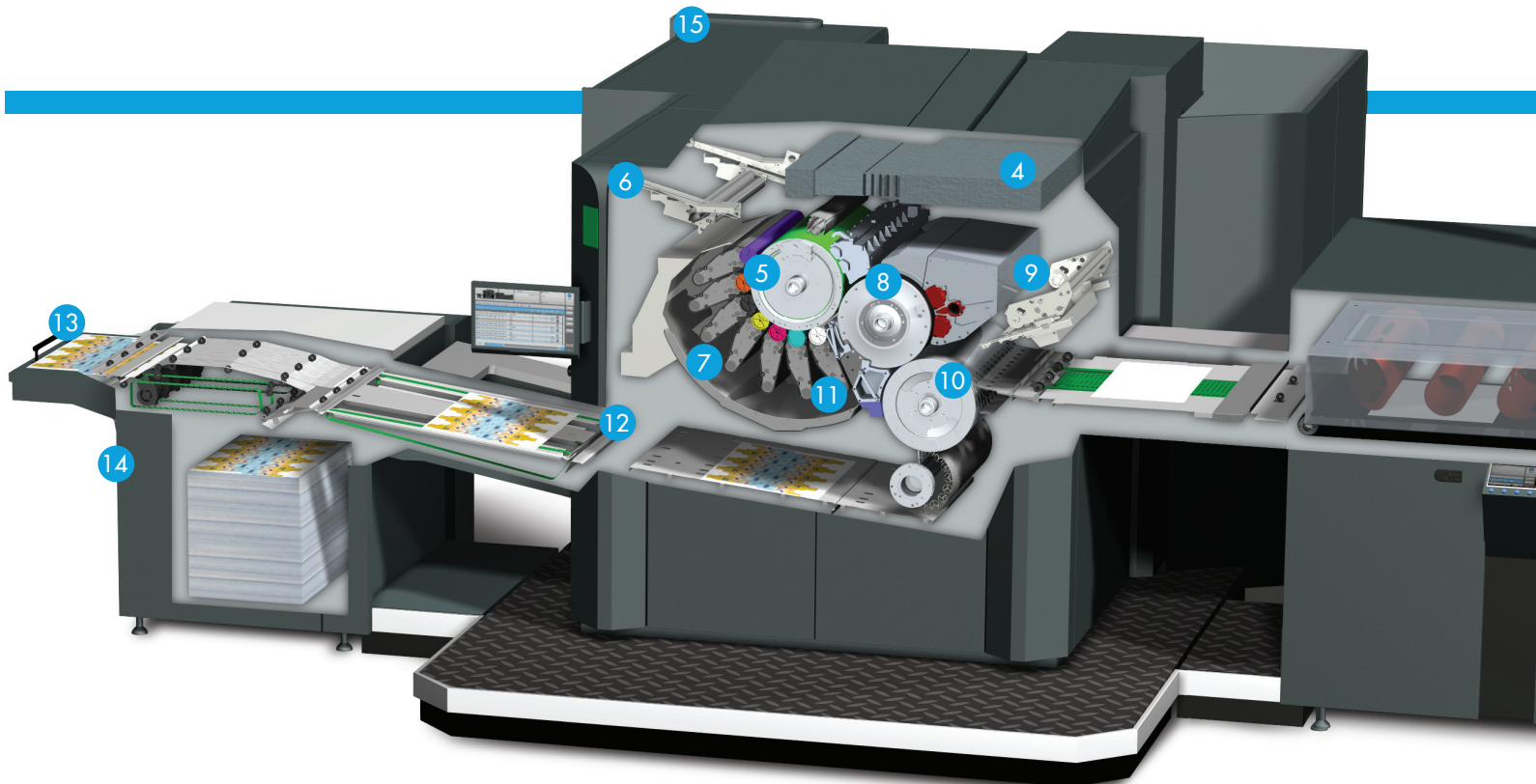
29 inch digital sheetfed printing solution for the folding carton industry

Production flexibility. With on-demand printing in 29 inch format, in addition to broad substrate support, the press allows for efficient use of production resources to meet the changing demands of the market.

- Capable of running 20 different jobs per shift (1000 sheets on average per job)—with no setup and minimal waste.
- Up to 4600 full color sheets per hour.
- 29 x 20 inch 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 8 to 24 pt. Perfect quality and registration is maintained on any surface with HP Indigo's One Shot print process.
- An integrated priming unit allows usage of any off-the-shelf board.
- 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 non-direct food contact.

Advanced end-to-end solutions. The HP Indigo 30000 Digital Press is more than a press—it is a full production solution. Together with market-leading partners, HP Indigo is developing a well-integrated ecosystem 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 color matching from any technology to the press. The capabilities include ICC profiling, advanced PANTONE color 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.



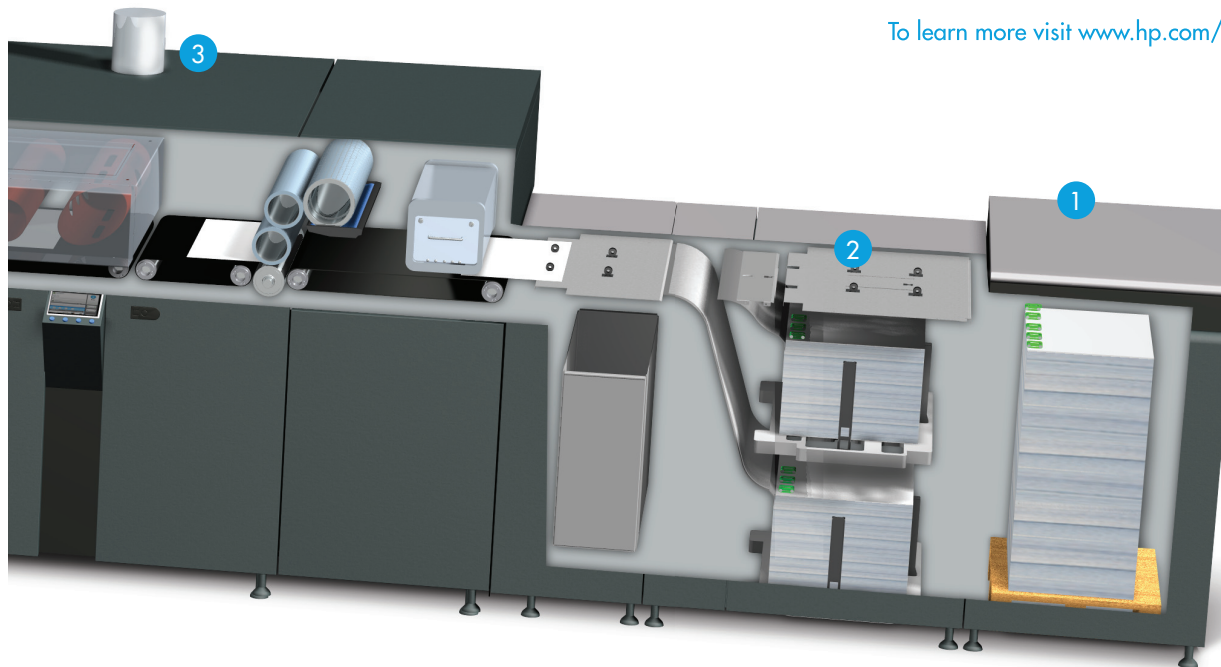
Boost sustainability. HP Indigo's digital, zero setup process eliminates plates and plate setting, and minimizes waste, translating into significant cost savings while improving environmental scorecards. On-demand digital printing also reduces waste and over-stocking throughout the supply chain, allowing 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 200,000 square feet 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



1. Palette feeder
2. 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 and 1219 dpi at 8 bit, addressability: 2438 X 2438 dpi HDI (High Definition Imaging)
Line screens	175, 180, 180m
Sheet size	29.5 in x 20.9 in maximum
Image size	29.1 x 20.1 in maximum
Substrate thickness	8 to 24 pt.
Substrate type	All types of paperboard, including C1S and C2S, virgin and recycled. Metalized boards, synthetics, and microflute top sheets.
Feeder	Palette feeder: 33.4 in of media. Drawer feeder: two drawers, with 11.8 in of media.
Stacker	33.4 in of media
Print server	HP SmartStream Labels and Packaging Print Server, Powered by Esko
Press dimensions	Width: 433 in; Depth: 185 in; Height: 94 in
Press weight	28,600 lb
HP Indigo ElectroInks*	
Standard 4-color printing	Cyan, magenta, yellow, and black
5-color printing	Cyan, magenta, yellow, black, and white
HP IndiChrome 6-color printing	Cyan, magenta, yellow, black, orange, and violet
HP IndiChrome Plus 7-color printing	Cyan, magenta, yellow, black, orange, violet, and green
HP IndiChrome off-press spot inks	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
PANTONE® colors	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® color range.
Options	
Expanded color capabilities	5, 6, or 7 on-press ink stations
Reinsertion	Simplex and duplex capability

*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. HP Indigo compliance 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.



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