HP Indigo 30000 Digital Press

29 inch digital sheetfed press for folding cartons

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

From idea to finished box

The HP Indigo 30000 Digital Press is a market-proven, 29 inch 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 color
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 color gamut, reaching up to 97% of PANTONE® colors, to fulfill strict brand color 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, optimize supply chains, and produce mass customization and personalization 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 10 pt to 24 pt. including coated, uncoated and off-the-shelf paperboard, metalized, and synthetics, enabling the production of almost any box, sleeve, card, or blister application in offset quality.

Optimized end-to-end production
Create an entire production line from idea to finished box. Digitally printed materials can be converted using optimized 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.

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 optimized calibrations for perfect color uniformity, tailored line screens, and a microsphere-based blanket.

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

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

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

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 color sheets per hour in Enhanced Productivity Mode (EPM), increasing throughput by 33% for most color jobs using only three color separations.

The right format. The 29 x 20 inch 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 metalized boards and synthetic media up to 25 pt, 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 29 inch 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 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.

Inline selective coating. An optimized 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 and a special system supporting high viscosity inks.

Die cutting and embellishments solutions. HP Indigo partners offer optimized 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	29.5 in x 20.9 in maximum 20 in x 11.7 in minimum
Image size	29.1 in x 20.1 in maximum
Substrate type	Paperboard, including C1S and C2S, virgin, recycled and metalized. Optional support for synthetics.
Substrate thickness	Paperboard and metalized boards 10 to 24 pt; PVC and Polypropylene up to 25 pt/mil; PET up to 18 pt/mil.
Substrate weight	Paperboard and metalized boards 150 to 450 gsm; PVC up to 880gsm; Polypropylene up to 630 gsm; PET up to 550 gsm.
Feeder	Palette feeder: Up to 33.4 in or 1,102 lbs 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	Length: 453 in; Width: 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, violet, and violet for packaging
HP IndiChrome Plus 7-color 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 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) Ink Mixing Service for achieving up to 97% of the PANTONE® color range.
Options	
Enhanced Productivity Mode	Enables three-color 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 (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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