HP Indigo 35K
Digital Press

The future unfolds

Optional TRESU iCoat II coater

Gain on high-growth business with the step-function press for short-run folding cartons

Build a high-growth, profitable business by capturing a share of the growing need for short-run jobs, delivered in fast turnaround time and enhanced with high-value features, including brand protection and mass customization, all while saving time and waste.

The future unfolds

There's a growing appetite for boxes that go beyond the basic. Consumers are increasingly in control, judging brands by their product authenticity, sustainability, and level of engagement. This shift in buyer influence is driving brands toward greater environmental responsibility, more SKUs, personalization, and faster time-to-market. Today's jobs are just different. The playing field has been turned on its head. Small/craft brands act big and mega brands act agile. As a folding carton converter, you need to cater to both ends of the spectrum— from strategic mini-scale runs to boxes that comply with rapidly changing regulations. Your job basket is varied and changing. Forecasting is becoming almost impossible. You need the ability to quickly maneuver and turn on a dime, without hesitation. Boxes with digital features are in hot demand, and there's no sign of this trend cooling off any time soon.

Own the high-value market with a wide application range

Adapt to changing market needs with one press that does the work of three. Expand your applications with the widest range of media and inks.[4] Offer high-accuracy embellishment features, inline with the TRESU iCoat II.[5]

- Reduce the number of hits, achieve the opacity needed, and gain higher press productivity with ElectroInk Premium White. Start producing applications with vibrant color on a variety of media when white is printed as a backing under the image. From recycled and rough media through to metallized and synthetic board as well as high-end colored substrates.

- Add value with high-accuracy spot varnish decorations with the TRESU iCoat II,[5] optimized to work inline with this press.

- Expand into digital rigid box applications with lightweight media ranging from 150 microns.

- Offer value added packages with multi-layered brand protection solutions and unique designs by HP SmartStream Mosaic and HP SmartStream Collage.

Optimize production efficiency by shifting to a digital mindset

Produce dozens of jobs per day and up to 1 million B2 sheets per month, by leveraging new tools to increase print time by up to 40%.[2] Gain real production agility with drawers, a pallet feeder, and a proof tray on a B2 format.
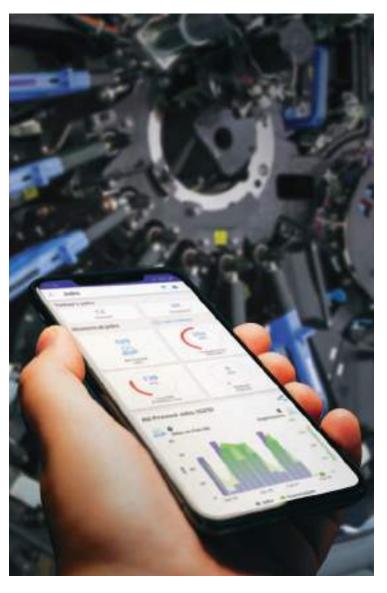
- Meet very short turnaround times with a B2[3] format ideal for short runs—saving half the converting waste and cost compared to B1.

- Easily transition from one job to the next with drawers, pallet feeder, and proof-while-you-print capabilities.

- Significantly reduce setup with fastest time-to-color enabled by the HP Indigo Spot Master automated color-matching process.

- An end-to-end approach with inline priming, fully coupled coater, and the HP PrintOS workflow ecosystem.

Deliver on the highest quality to meet premium brands' requirements

Meet the most stringent brand color and quality needs in each and every job you deliver with newly introduced automated tools and the HD Imaging System.

- Get interchangeable offset quality—with thin layers—with HP Indigo Liquid Electrophotography (LEP) Technology.
- Produce even smoother color tints, more detailed small image, and finer small/micro text with the HD Imaging System.
- Offer confidence in color performance with the automated tools and reporting system. Easily reach and maintain color to ensure that every box is the same, wherever and whenever printed.
- Achieve up to 97% PANTONE® gamut on press using CMYK, OVG, and spot colors.

HP PrintOS
Unleash the performance of your HP Indigo press with a suite of solutions that enables you to create your Print Factory of the future.

Services
Enable your operator to get the most out of your press by building his self-sufficiency through knowledge, and on-press platform and expert support.

Media
Lead, innovate, and create distinct and incredible products for your customers with the most diverse media on hand.

HP Indigo Secure
Apply never-before-seen adaptive security solutions that provide multi-layered digital protection in just one pass.

Sustainability
Step right into the forefront by exceeding your customers' demands and lead a new era of responsible printing.

[1] Field-proven solution based the HP Indigo 30000 Digital Press, with over 70 installations worldwide as of November, 2019.
[2] Up to 40% increased print time compared to the HP Indigo 30000 Digital Press, and based on internal HP technical analysis as of November, 2019.
[3] Based on HP internal analysis as of November, 2019. B2 is the optimal, more cost-effective format for short runs: die-cut and embellishment processes are 50% of dies cost, 50% of setup time, and 50% of waste of B1 format in runs up to 4,000 sheets.
[4] Compared to major digital printing competitors providing mid-web folding carton solutions as of November, 2019. Fastest time-to-color enabled by Spot Master technology and the inline Xrite spectrophotometer.
[5] TRESU iCoat II is an optional feature, sold and serviced separately by HP.

Technical specifications

Printing speed	3,450 sheets per hour 4/0; 4,600 sheets per hour in EPM
Image resolution	812 dpi addressability (virtual 2,438 x 2,438 dpi)
Line screens	175, 180, 180 m, 190 EPM, HMF-200, HMF-215
Sheet size	29.5 in x 20.9 in (750 x 530 mm) maximum
Image size	29.1 x 20.1 in (740 x 510 mm) maximum
Substrate thickness	Paperboard and metallized boards 6 to 24 pt (130-600 microns) PVC and *Polypropylene up to 25 pt (630 microns); PET up to 16 pt (400 microns)
Substrate type	Paperboard, including C1S and C2S, virgin, recycled and metallized. Support non transparent synthetics*
Substrate weight	Paperboard and metallized boards 150 to 450 gsm; PVC up to 880 gsm; *Polypropylene up to 630 gsm; PET up to 550 gsm
Feeder	Palette feeder: Up to 33.4 in or 1,100 lb (85 cm or 630 kg) of media. Drawer feeder: two drawers, with 11.8 in (30 cm) of media
Stacker	24.8 in (630 mm) of media
Print server	HP Production Pro for Indigo Labels and Packaging
Press dimensions (Full line)	Length: 17,883 mm / 704"; Width: 4,728 mm / 168"; Height: 2,408 mm / 94.8"
Press + Stacker + ILFA	Length: 12,308mm / 484.6"; Width: 4,728 mm / 168"; Height: 2,408 mm / 94.8"
Press only	Length: 11,500 mm / 452.8"; Width: 4,728 mm / 168"; Height: 2,408 mm / 94.8"
Press weight	28,600 lb (13,000 kg)
Coater weight (TRESU iCoat II)	8,000 lb (4,000 kg)
Cloud connectivity	Via HP PrintOS
Inline priming (ILP)	Min thickness 250 um, max roughness 1.5 Ra
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 Ink Mixing Service (IMS) for achieving up to 97% of the PANTONE® color range
Options	
Synthetic kit	Print on synthetic*. Includes corona unit for refreshment treatment
Reinsertion kit	Enables double-sided printing with accurate reinsertion
Inline coater adapter	Interface between press and inline coater
HD imaging	Resolution: 1,625 dpi addressability (virtual 4,876 x 4,876 dpi)
Optional TRESU iCoat II coater	
Media characteristics .	29.5 in x 20.9 in (750 x 530 mm) maximum; Paperboard, including C1S and C2S, virgin, recycled, and metallized; 150 to 450 gsm, 6 to 24 pt (140-600 microns). PVC up to 880 gsm and Polypropylene up to 630 gsm, up to 25 pt (630 microns); PET up to 550 gsm, up to 16 pt (400 microns). Optional support for synthetics*.
Coating speed	4,600 inline and nearline (with separated feeder)
Supported varnishes	UV and WB, including Blister
Spot coating accuracy	Registration = ± 400 um direction and cross-direction
Configuration	
TRESU iCoat II Combi coater	UV/WB interchangeable single coating unit
iCoat II options	
TREUS iCoat Synthetic Kit	Optimize production on synthetic media, including metallized board*
TREUS iCoat Flexo Kit	Support high viscosity varnishes with external pump and liquid system
TREUS iCoat feeder	Standalone feeder for nearline configuration

This field-proven B2 digital press[1], with step-function innovations, is your gateway to join the digital folding carton revolution. Confidently achieve offset-quality results on every box. Deliver short runs quickly and add value with brand protection and mass customization for any run length.

* The HP Indigo 35K Digital Press does not support transparent media without CRD.
* Some levels of scratches may be induced on sensitive media.

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