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.

Indigo 35K Digital Press

This field-proven B2 digital press, 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.

- Printing speed: 3450 sheets per hour 4/0; 4600 sheets per hour in EPM
- Image resolution: 812 dpi addressability (virtual 2438 x 2438 dpi)
- Line screens: 175, 180, 180EPM, HMF-200
- 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 metallised boards 6 to 10 pt (140-250 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 metallised. Optional support for synthetics.
- Substrate weight: Paperboard and metallised 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 1100 lb (85 cm or 500 Kg) of media. Drawer feeder: two drawers, with 11.8 in (30 cm) of media.
- Stacker: 25.2 in (64 cm) of media
- Print server: HP Production Pro for Indigo Labels & Packaging
- Press dimensions: Length: 11,500 mm; Width: 433 in (4700 mm); Height: 94 in (2400 mm); Depth: 185 in
- Press weight: 28,600 lb  (13,000 kg)
- Cloud connectivity: Via HP PrintOS

- 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:
  - Synthetic Kit: Print on synthetics. Includes corona unit for refreshment treatment
  - Reinsertion Kit: Enables double-sided printing with accurate reinsertion
  - Inline Coater Adaptor Interface between press and inline coater
  - HD Imaging Resolution: 1625 dpi addressability (virtual 4876 x 4876 dpi)
  - Fine Line RIP: 1600 dpi RIP for HD Imaging
  - Advanced Automatic Alert Agent: Updated inline quality control system with full page and single box eject
  - Enhanced Productivity Mode: Enables three-color EPM printing (Cyan, Magenta, Yellow)

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

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

There’s a growing appetite for boxes that go beyond 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 this 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 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. Offer high-accuracy embellishment features, inline with the TRESU iCoat 35K. 

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 HP Imaging System.

- Achieve up to 91% PANTONE® gamut on press using CMYK, CMG, and spot colors.
- Get interchangeable offset quality—with thin layers, dot shapes, and media gloss level—with HP Indigo Liquid ElectroPhotography (LEP) Technology.
- Produce smooth color tints, detailed small images, and fine small, micro text with the HD Imaging System.
- Offer confidence in color performance with the automated tools and reporting system to deliver the highest level of color and ensure that every box is the same, wherever and whenever printed.

Prepare to own the high-value market, with wide application range and the ability to handle even the most demanding jobs. Expand your offerings with ever more diverse media on hand.

TRE SU iCoat 35K is an optional feature, sold and serviced separately by HP.

Expand your applications with the TRESU iCoat 35K. 

Expand your offering with off-the-shelf boards, from recycled and rough media through to metalized and synthetic board to high-end colored substrates.

Advertise with high-accuracy spot varnish decorations with the TRESU (Coat 35K), optimized to work inline with this press.

Expand into digital rigid box applications with lightweight media ranging from 150 microns for liner printing.

Offer smart packaging with multilayered 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 bay up to 40%. 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 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 ready to go and proof-while-printing capabilities.

Expand your offering up to 40% with the TRESU iCoat 35K. 

- Expand your offering with off-the-shelf boards, from recycled and rough media through to metalized and synthetic board to high-end colored substrates.

- Add value with high-accuracy spot varnish decorations with the TRESU iCoat 35K, optimized to work inline with this press.

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

- Offer smart packaging with multilayered brand protection solutions and unique designs by HP SmartStream Mosaic and HP SmartStream Collage.

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.

- Achieve up to 91% PANTONE® gamut on press using CMYK, CMG, and spot colors.
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- Produce smooth color tints, detailed small images, and fine small, micro text with the HD Imaging System.
- Offer confidence in color performance with the automated tools and reporting system to deliver the highest level of color and ensure that every box is the same, wherever and whenever printed.

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