

HP Indigo 20000 Digital Press



Productivity and flexibility for
B1 commercial applications



Breakthrough digital web platform for indoor posters, canvas and more

The HP Indigo 20000 Digital Press is a 76 cm wide, roll-to-roll solution capable of producing diverse commercial applications including point of purchase, art canvas, B1 format indoor posters and signage, any other simplex applications in HP Indigo's renowned offset-matching quality.

Achieve high productivity and cost efficiency

The speed and imposition efficiency achieved by the 740 x 1100 mm image format web press make it a highly cost-effective solution. Print 1870 sq.m in colour per hour. A powerful print server and variable data capabilities open new opportunities for unlimited one-of-a-kind prints with high productivity.

The leader in print quality and colour

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. HP Indigo ElectroInk has the widest digital colour gamut, including special effect inks, using up to 7 ink stations. Emulate PANTONE® colours on press using CMYK or HP IndiChrome's 6- or 7-colour process. True spot colours can be ordered from the HP IndiChrome Ink Mixing Service, covering up to 97% of the PANTONE® colour range.

Wide media gamut

The press prints on paper, synthetics and canvas from 10 to 250 microns. Inline priming enables printing on off-the-shelf materials including offset stock without any preliminary processes for unlimited media availability.

The choice of brands

Brands use HP Indigo presses to deploy mass customisation and personalisation for powerful campaigns that boost sales.

Powerful print server

HP SmartStream Production Pro Print Server 6 is the industry's most scalable and powerful print server. It can handle the most challenging workloads and offers a wealth of easily automated prepress tools to optimise production. HP SmartStream Mosaic variable design technology generates unlimited one-of-a-kind designs.



CO₂ neutral

Boost your sustainability

The HP Indigo 20000 Digital Press is manufactured carbon neutral. It also offers reduced production waste, energy efficiency, and a supplies take-back program.

To learn more, visit hp.com/go/graphic-arts
or hp.com/hpindigo20000forcommercial

Technical specifications

Printing speed	1400 sq.m/hour in 4-colour mode; 1870 sq.m/hour in EPM; 1258 sq.m/hour in 5-colour mode
Image resolution	812 dpi at 8 bit, addressability: 2438 x 2438 dpi HDI (High Definition Imaging)
Line screens	175, 180, 180m , HMF-200
Image size	740 x 1100 mm maximum; Repeat length: 550 mm minimum, 1100 mm maximum
Substrate thickness	10 to 250 microns
Substrate type	Paper, film, (PET, BOPP, BOPA), shrink film (PETG, PVC, OPS) label stock (PE label), pre-laminates (PET/ALU/PE).
Web width	Maximum width: 762 mm / Minimum width: 400 mm
Priming unwinder	Max roll diameter: 1000 mm Max roll weight: 850 kg Core inside diameter: <ul style="list-style-type: none">• Standard 6 in adapter• Optional 3 in
Rewinder	Maximum roll diameter: 800 mm Maximum roll weight: 700 kg
Print server	HP SmartStream Production Pro Print Server, HP SmartStream Labels and Packaging Print Server, Powered by Esko
Press dimensions	Width: 9730 mm; Height: 2400 mm; Depth: 4700 mm
Press weight	15,000 kg
HP Indigo ElectroInks*	
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, violet, and violet for packaging
HP IndiChrome Plus 7-colour 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 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 Ink Mixing Service for achieving up to 97% of the PANTONE® colour range.
Options	
Expanded colour capabilities	5, 6, or 7 on-press ink stations
Reinsertion	Simplex
Extended inspection capabilities	Reverse Inspection Bridge (RIB)

*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 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.



Winner: InterTech Technology Awards 2014

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