

HP Indigo 18K Digital Press



Technical specifications

Printing speed	3450 sheets per hour 4/0; 4600 sheets per hour in EPM 3/0; 1725 sheets per hour 4/4; 4600 sheets per hour 1/1 (monochrome)
Image resolution	
HP Indigo 18K Digital Press	812 dpi at 8-bit, writing system addressability: 812 dpi (virtual 2438 x 2438 dpi)
HP Indigo 18K HD Digital Press	Addressability: 1625 dpi (virtual 4876 x 4876 dpi) RIP: 812 dpi at 8-bit
"Fine line RIP" image resolution (option) for HD only	Addressability: 1625 dpi (virtual 4876 x 4876 dpi) RIP: 1625 dpi at 8-bit full pipeline
Line screens	
HP Indigo 18K Digital Press	175, 180m, 180EPM, HMF-200 LPI
HP Indigo 18K HD Digital Press	175, 230, 250 LPI
Sheet size	Maximum sheet size: 29.5 x 20.81 in (750 x 530mm) (In-house cutting: 29.527 x 20.866 in) Minimum sheet size: 20.1 x 11.7 in (510 x 297mm) for simplex; 20.1 x 13 in (510 x 330) for duplex
Image size	29.1 x 20.1 in (740 x 510mm) maximum
Paper weight*	Uncoated media: 50 lb text to 150 lb (70-400 gsm) cover. Coated media: 60 lb text to 150 lb (90-400 gsm) cover; Thickness 3-18 pt. (75-450 microns); Thick substrate kit up to 24 pt. (up to 600 microns)
Feeder	Palette feeder 33.4 in (850 mm) of media. Drawer feeder: Two or four drawers (option), each with 11.8 in (300 mm) of media
Stacker	Main stacking tray with 33.4 in (850 mm) stack height supporting offset jogging
Print servers (DFE)	PrintOS Production Pro for Commercial
Press dimensions	Length: 320 in (8000 mm); Width: 185 in (4700 mm); Height: 94 in (2400 mm)
Press weight	
HP Indigo 18K Digital Press	24,250 lb (11,000 Kg)
HP Indigo 18K HD Digital Press	24,470 lb (11,100 Kg)
Cloud connectivity	Via HP PrintOS
HP Indigo ElectroInks	
Standard 4-color printing	Cyan, Magenta, Yellow, and Black
5-color printing	Use the 5th ink station
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
Specialty inks	Premium White, Light Cyan, Light Magenta, Fluorescent Pink, Vivid Pink, Vivid Green, Transparent, Digital ink Primer (DIP), Invisible Yellow
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 for achieving up to 97% of the PANTONE® color range
Options	
Print server (DFE)	PrintOS Production Pro for Commercial
Expanded color capabilities	6 or 7 ink stations
Auto Alert Agent	Enables on-press quality alert system, inline print quality inspection system, automatically discard defective sheets
One Shot process kit	Enables printing on synthetics, metalized and canvas using HP Indigo One Shot technology
HD Imaging	812 dpi at 8-bit, writing system addressability: 1625 dpi (virtual 4876 x 4876 dpi)
Fine line RIP	1625 dpi at 8-bit full pipeline (HD Imaging is pre-requisite for this option)
Thick Substrate Kit	Supports media up to 600 microns thick**
Clear media printing	Supports printing on clear substrates***
5 input source feeder	Additional two drawers that connect to the existing two drawers and pile
In-line finishing connector	Allows in-line connectivity to verify of Indigo's finishing partners
Dual X-align	Align sheets to both operator and non-operator side

* Media characteristics vary. If the media you are about to use is not listed in the Media Locator, HP cannot guarantee performance and we recommend that you test it prior to use.

** 450-600 micron substrates are limited to pre-primed paper boards, one-shot mode.

*** Clear media option is support and recommend only on media that is HP certified

¹ Based on press unit shipments tracked by IDC, September 2023.

² Widest application range takes into consideration HP Indigo's extensive substrate support and vast number of ElectroInks, based on press manufacturer's published technical specifications, September 2023.

³ Available on HD presses. Optional feature on standard presses (not included, sold separately).

⁴ Optional feature. Not included, sold separately.

⁵ G7® is a registered trademark of Idealliance.

⁶ Press availability improvement based on a comparison with the previous generation HP Indigo 15K Digital Press, using HP's internal utilization calculator.

⁷ 33% productivity boost achieved using EPM versus CMYK printing. EPM requires three color separations versus four, resulting in a 33% faster print.

⁸ 24% reduction in energy consumption per sheet in EPM, which requires 3 versus 4 separations.

⁹ 25% cost per sheet reduction in EPM, which requires fewer (3 vs. 4) clicks.

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This is an HP Indigo digital print



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HP Indigo 18K Digital Press



The ace press, your
winning card for every job



The press expands your ability to produce
more high-value applications with less effort

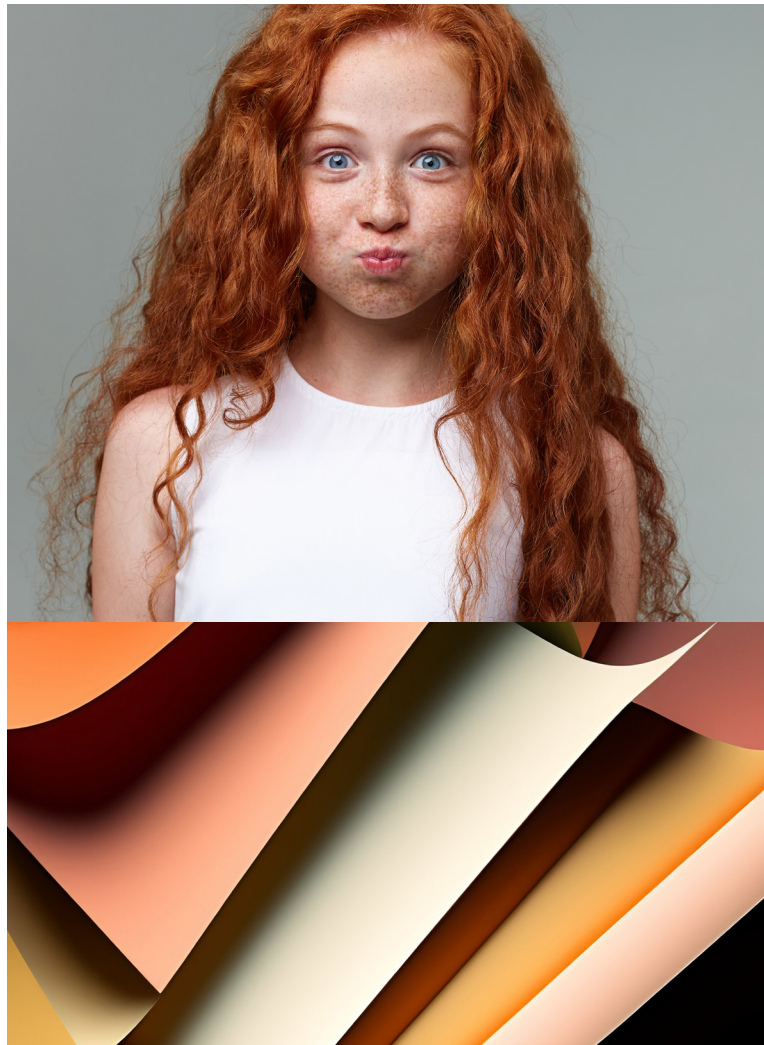
The next generation of the world's best-selling¹ B2 digital press.
Now more versatile, more efficient, and easier to use than ever.

Do more with less effort

Satisfy today's needs and be prepared for tomorrow's demands

Achieve the widest range of applications with a single press and gain unmatched flexibility to handle a variety of job types and substrates simultaneously.

- Expand your offering and grow your business with the widest application range produced with a single press². Print everything from general commercial print applications and high-end photo printing to folding carton applications, secure printing, heat transfer, gaming, and more.
- Offer your customers variety. This press supports more than 2,000 certified substrates, 75% of which are sustainable media, ranging from 75 to 600 microns.
- Flexibly accommodate different media thicknesses. New exclusive duplex printing on thick substrates (450-600 microns) and smooth handling of light substrates.
- Produce unlimited color combinations with 7 ink stations, featuring 12 specialty Electrolinks and a countless array of spot colors.
- Reach the full digital potential and unmatched flexibility through seamless integration and switching between different substrates within a single job.



Achieve high print standards with offset-matching quality

Experience a press that upholds high standards of print quality, in any vertical, every day.

- Produce high HP Indigo print quality with an offset look and feel.
- Boost output quality with the HD Imaging option³, which delivers exceptional smoothness and sharpness.
- Print solid micro-text quality with the fine line RIP option⁴.
- Achieve top-tier photo quality at the touch of a button. Innovative Photo-Pro Mode eliminates the need for a photo specialist by automatically using CMYK+LLK inks on demand.
- Reach top quality automatically. AI-based automation for image quality, PQ Maestro troubleshooting, and diagnostics.
- Experience consistent, perfect color reproduction across presses and sites. Monitor color with the HP PrintOS Quality Power Pack⁴.
- Achieve G7[®] master⁵ or FograCert[®] certification using HP Print OS Color Beat.

Infuse your production with automation and AI

Simplifies the operator experience through advanced AI tools that help you produce more jobs in a single shift.

- Enhance operator experience through clear visualization and navigation as well as proactive communication and real-time notifications.
- Avoid interruptions. Auto recovery and proactive prediction of potential downtime alerts increase press utilization by up to 5%⁶.
- Benefit from multi-press operation by a single operator thanks to machine learning algorithms and PrintOS Productivity Power Pack⁴.
- Gain a 33%⁷ productivity boost and 24%⁸ energy savings per sheet using Enhanced Productivity Mode (EPM). You can print 4,600 color pages per hour, reducing the cost per sheet by 25%⁹ and delivering results faster.
- Boost productivity with Auto Alert Agent (AAA 2.0) powered by AI and requiring zero human intervention. Detects print defects, discards faulty output, and reprints on the fly.
- Print continuously with non-stop feeding technology featuring the digital flexibility of up to five input sources.



LEP Print Technology

HP Indigo's offset-matching printing technology that gives you the agility to meet every need across any type of commercial printing and packaging job.

PrintOS

Data-driven solutions at your side.

Helping your business grow by continually improving productivity, perfecting color consistency, expanding design creativity and seizing e-commerce opportunities.

Customer Success

Prioritizing your success with future-ready technology and tools. Control of your uptime with immersive mixed-reality support and autonomous solutions. Gain access to customer success professionals, AI-driven insights, and the HP Community to fuel your profitable business growth.

Sustainability

Increasing productivity to reduce energy consumption per sqm, continually decreasing carbon footprint. Helping you adjust your print business to the circular economy model.

Partners

Optimize job routing throughout the entire end-to-end production process. Cooperating with a solid alliance of partners to provide tailored solutions in business management, pre-press, finishing, logistics and fulfillment.

