

HP Indigo 120K



Digital Press

The speed you trust



The HP Indigo 120K Digital Press is your business accelerator, with unwavering reliability, consistent uptime and predictable production.

With best-in-class productivity¹ and offset-matching print quality, the HP Indigo 120K sets a new standard for high-volume production and automation, at the speed of 6,000 sheets per hour².

Designed to optimize your print ecosystem, the HP Indigo 120K will propel your business into the digital world.

HP Indigo 120K Digital Press

In an ever-changing print landscape marked by labor shortages and efficiency demands, the HP Indigo 120K empowers high-volume printers with AI-driven, streamlined and reliable processes.

Designed to optimize your print ecosystem, the HP Indigo 120K seamlessly integrates into any production floor with analog and digital technologies, enabling versatile and flexible operation.

Best-in-class Productivity

A new standard for high volume production

- Meet demanding turnaround times with speed of 6,000 sheets per hour 3/0² and 4,500 sheets per hour 4/0
- Rely on a robust and productive press, generating over 2M B2 sheets per month and allowing up to 90% availability³
- True digital continuous operation that enables non-stop paper feeding, non-stop color measurement and continuous stacking
- Save valuable time, with multiple input and output paper sources, allowing a seamless and automated switchover process for jobs and paper on-the-fly
- Experience reliable and predictable paper transport with a robust gripper-to-gripper paper feed technology
- Designed with durable parts for easy service handling



Labor-saving Automation

Easy user experience with highly automated operation

- Enjoy highly automated production with reduced press attendance allowing multi-press operation by a single operator
- Ramp up quickly with fast training of less than a week
- Optimize operation with AI-based technology for image quality troubleshooting and diagnostics
- Experience high uptime and low service costs with AI-based predictive press care and maintenance capabilities
- Increase press availability and end-to-end line efficiencies, and reduce paper waste with advanced and automated AI-based inspection system
- Reduce labor and turnaround time with Auto-Pallet Replacement (APR) at the delivery
- Eliminate the need for manual color tracking with automated color control system
- Enable quick operator onboarding with intuitive and straightforward user interface innovations

HP Indigo Print Quality

Offset-matching print output look and feel

- Achieve consistent results in a hybrid printing environment with HP Indigo quality that matches the look and feel of your offset output. The HP Indigo 120K Digital Press optimizes sheet-to-sheet and simplex-to-duplex registration. It also delivers a stable color process across all prints.
- Give customers the flexibility of choice with the widest range of both coated and uncoated substrates⁴
- Print beyond-offset quality with the HD Imaging option⁵ that delivers a smooth and sharp image with high LPI screens



Sustainable Profitability

Lower cost and environmental impact

- Shift short jobs from analog to the HP Indigo 120K and leverage the environmental advantages of the digital printing process—eliminating aluminum consumption, and reducing paper waste and makeready time
- Boost productivity by 33%⁶ while reducing operating cost per sheet, and save 25% of your energy consumption per sheet while printing with HP Indigo Enhanced Productivity Mode (EPM)
- Print more economically and more sustainably with the new ECO 4-color print mode option, which helps reduce carbon footprint by 11%⁷
- Reuse imaging oil and reduce up to 35% waste with HP Indigo's Recycling Imaging Oil (RIO) technology⁸

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

Future-ready technology and tools. Control 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 and decrease carbon footprint. Helping you adjust your print business to the circular economy model.

Partners

Optimizing job routing throughout the end-to-end production process. Cooperating with a solid alliance of partners to provide tailored solutions in business management,

[1] Compared to other cut-sheet digital technologies in the market, September 2023.

[2] 6,000 sheets per hour in Enhanced Productivity Mode.

[3] Based on analysis using HP's internal utilization calculator.

[4] Based on press manufacturer's published technical specifications, September 2023.

[5] Available on HD presses. Optional feature on standard presses (not included, sold separately).

[6] 33% productivity boost achieved using EPM versus CMYK printing. EPM requires three color separations versus four, resulting in a 33% higher productivity.

[7] ECO printing mode offers sustainable gains with a thinner layer of ink. The estimated carbon footprint (calculated for press operations in France) includes main supplies, press energy consumption and supplies transportation to customer.

[8] RIO is a recycling imaging oil technology which allows users to capture and reuse the imaging oil, and keep the system balanced from an imaging oil consumption perspective.

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Technical specifications

Printing speed	4500 sheets per hour 4/0 6000 sheets per hour in EPM ¹ 3/0 2250 sheets per hour 4/4
Image resolution	
HP Indigo 120K Digital Press	RIP: 812 dpi at 8 bit, writing system addressability: 812 dpi (virtual 2438 x 2438 dpi)
HP Indigo 120K HD Digital Press	RIP: 812 dpi at 8 bit, writing system addressability: 1624 dpi (virtual 4876x 4876 dpi)
Line screens	
HP Indigo 120K Digital Press	175, 180m EPM, HMF 200 LPI
HP Indigo 120K HD Digital Press	175, 230, 250 LPI
Sheet size	Maximum sheet size: 29.5 x 20.8125 in (750 x 530 mm) (In-house cutting: 29.527 x 20.866 in) Minimum sheet size: 20.1 x 13 in (510 x 330 mm)
Image size	29.1 x 20.1 in (740 x 510 mm) maximum
Paper weight ²	Uncoated media: 50 lb text to 150 lb cover (70 to 400 gsm); Coated media: 60 lb text to 150 lb cover (90 to 400 gsm); Thickness: 3-18 pt (75 to 450 microns)
Feeder	Palette feeder 33.4 in (850 mm) of media. Drawer feeder: Two drawers, each with 11.8 in (300 mm) of media
Stacker	Main stacking tray with 25.2 in (640 mm) stack height supporting offset jogging
Digital Front End (DFE)	PrintOS Production Pro
Press dimensions	Length: 374 in (9500 mm); Width: 189 in (4800 mm); Height: 94 in (2400 mm)
Press weight	
HP Indigo 120K Digital Press	27,557 lb (12,500 kg)
HP Indigo 120K HD Digital Press	27601 lb (12520 kg)
Cloud connectivity	Via HP PrintOS ³
HP Indigo ElectroInks Standard 4-color printing	Cyan, magenta, yellow, and black
OPTIONS	
Add-on feeder two drawers unit	Add-on two drawers to make a five-source feeder
Auto Pallet Replacement (APR)	Delivery automation for continuous stacking
5-colour printing	Use 5 th ink station
Special effect inks	HP Indigo ElectroInk Light light black
HP Indigo ElectroInk Primer	Supports use of off-the-shelf substrates
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 inks
Auto Alert Agent 2.0	On-press inspection system
HD Imaging	RIP: 812 dpi at 8-bit, writing system addressability: 1624 dpi (virtual 4876x 4876 dpi)

¹Enhanced Productivity Mode

²Media 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.

³Including PrintOS Color Beat, HP Indigo's built-in color automation tool, allows print service providers to reach G7[®] Targeted Compliance of their digital presses and submit for G7 Master Qualification by Idealliance at the touch of a button. This process has been officially and independently verified by Idealliance. I G7[®] is a registered trademark of Idealliance

Learn more at
www.hp.com/Indigo-120K

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This is an HP Indigo digital print

