



HP
INDIGO
DIGITAL PRESS

100K



Born From competitive
short runs to long
term strategic gains
to Run

The new HP Indigo 100K Digital Press is the world's most productive B2 digital solution with true digital non-stop print capabilities, at 6,000 sheets per hour.

A breakthrough press that completely recalculates your total cost of ownership.

A profit center that boosts margins on the short runs you're already doing, and a business generator that accelerates you into a world of untapped digital business opportunities.



Rewrite
the rules of
profitability



Up your game
with non-stop
printing



Made for
the way
you work

HP Indigo 100K Digital Press

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	812 dpi at 8 bit, writing system addressability: 812 dpi (virtual 2438 x 2438 dpi)
Line screens	175, 180m, 180m EPM ¹ , HMF 200 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 25.6 in (640 mm) stack height supporting offset jogging

Print servers (DFE)	HP SmartStream Production Pro Print Server
Press dimensions	Length: 374 in (9500 mm); Width: 189 in (4800 mm); Height: 94 in (2400 mm)
Press weight	27,557 lb (12,500 kg)
Cloud connectivity	Via HP PrintOS ^x Color Beat 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)	Enables continuous stacking
5-colour printing	Use the 5 th ink station
Special effect inks	Light light black
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
Auto Alert Agent	Enables on-press quality alert system

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. | ³Grain direction: Substrates lower than 130 gsm require short grain direction; Substrates higher than 300 gsm require long grain direction; Substrates in the range of 130 gsm to 300 gsm can use both short and long grain directions | ³PrintOS 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. | G7[®] is a registered trademark of Idealliance.



G7^{AI} MASTER CALIBRATION
CERTIFIED SYSTEM



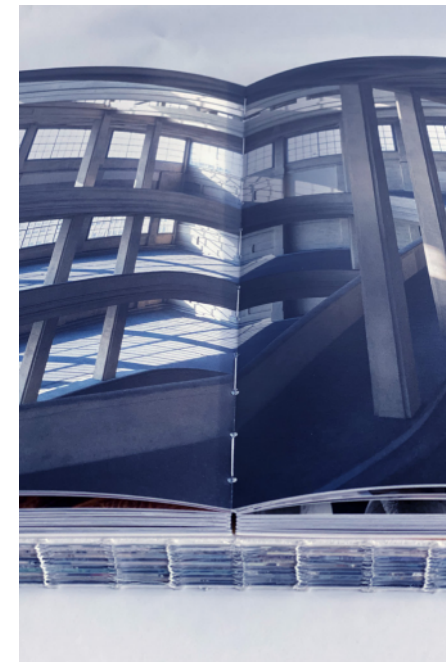
MADE FOR THE WAY YOU WORK

It's easy to add, intuitive to use, and quick to contribute with print quality that matches your offset press, and fits seamlessly into the workflow of your shop.

It's ready to be dropped into your facility and work in perfect harmony with your offset press.

- **Looks and feels like offset**, on the broadest media range
- **Ensure highest HP Indigo image quality** and unmatched color consistency through non-stop color calibration
- **Experience robust and highly predictable paper transport** through offset like gripper-to-gripper architecture
- **Guarantee continuous manufacturing** through intuitive and efficient workflow solutions

HP Indigo 100K Digital Press



6000 SHEETS PER HOUR

UP YOUR GAME WITH NON-STOP PRINTING

Produce innovative jobs back-to-back, with true non-stop digital print capabilities.

- HP Indigo 100k Digital Press provides high reliability and predictability which are expected from a press that is targeted to the highest production volumes

- Achieve true non-stop digital print through advanced automation, enabling continuous feeding, continuous stacking, and continuous color calibration without interrupting production
- Immediate switchover between jobs with different media types with multiple input and output media sources

UNPRECEDENTED PRODUCTIVITY

Rely on the most predictable production cell, generating **the highest digital B2 sheets throughput in the market** (over 2M B2 sheets per month)



■ Non-stop stacking

Robust delivery with an advanced depositing unit to assure perfect stacking

- Auto Pallet Replacement architecture for continuous stacking



■ Color calibrating while printing

Innovative spectrophotometer design resulting in uncompromised color throughout a continuous print



■ Predictive Services

AI driven services with predictive capabilities for failure prevention



■ Exceptional reliability

Highly predictable press with offset paper handling architecture, driving operational excellence



■ Non-stop feeding

5 input sources feeder enabling fast switchover between jobs and paper types



REWRITE THE RULES OF PROFITABILITY

Get ready to rewrite the rules for total cost of ownership. Increase margins on short run work, and rededicate your offset presses to running higher profits on the long runs they were made for.



Reduce labor costs with a highly automated press allowing multi-press operation by a single operator



Deliver faster. Reduce makeready time. Introduce same day delivery. Do not waste time waiting for the perfect gang.



Reduce plate volume and aluminum consumption through short run volumes migration



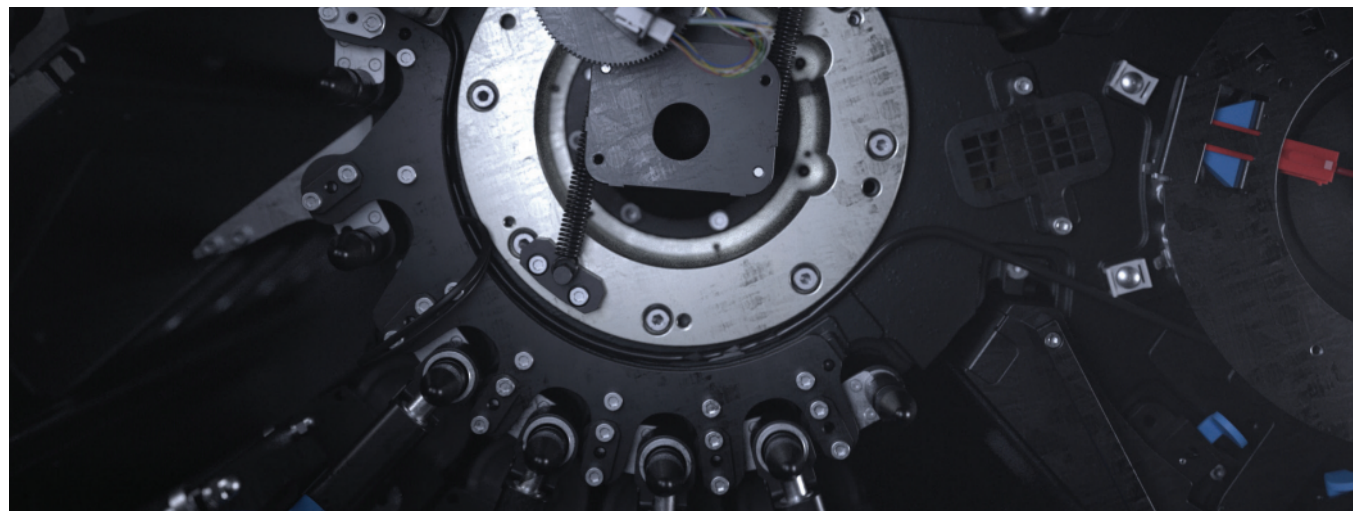
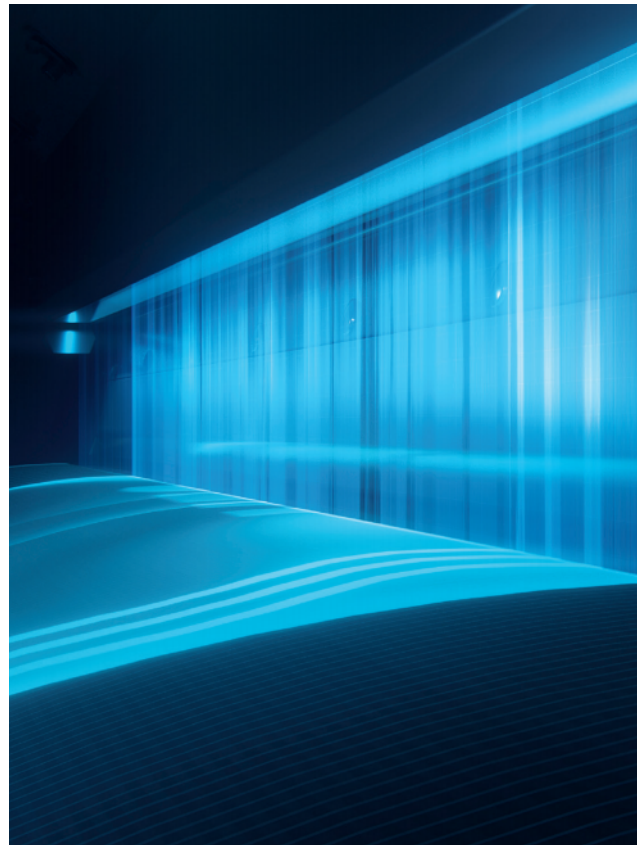
Save at the bindery as sheets come out collated from the press



Ensure press uptime and reduced service costs with AI-driven serviceability



Reduce paper waste



HP Indigo LEP TECHNOLOGY

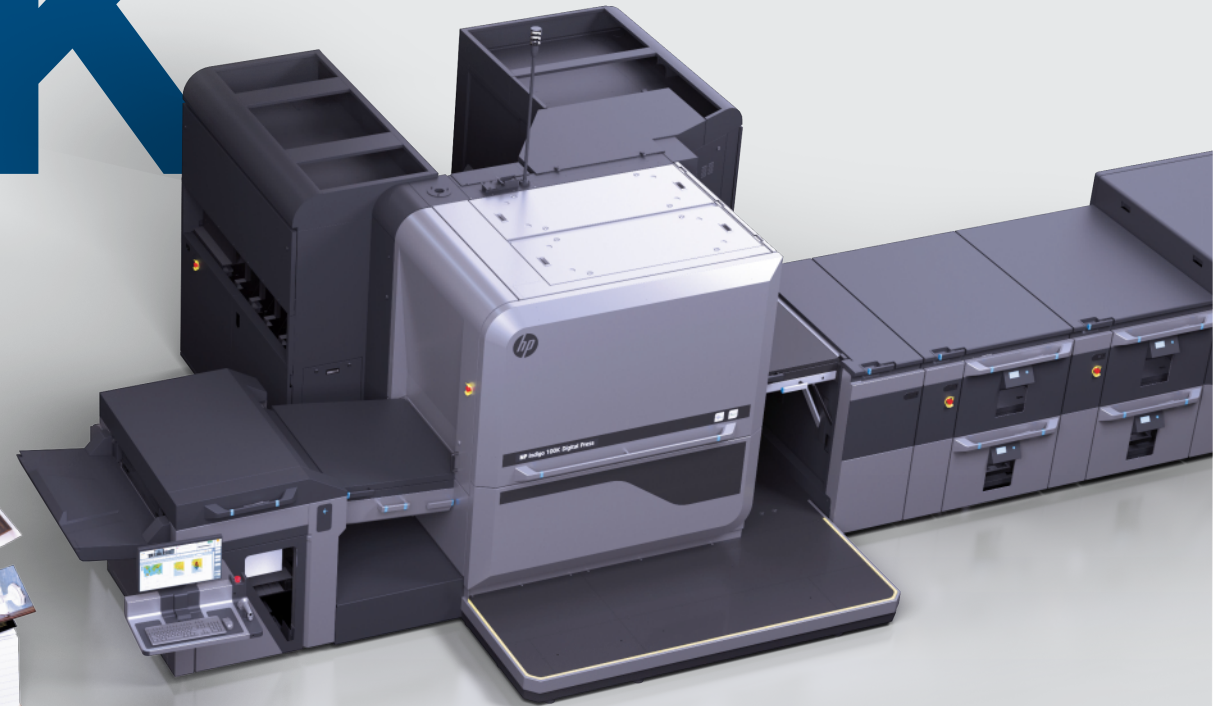
The unique combination of HP Indigo ElectroInk, Thermal Offset Transfer and Direct Contact Transfer work together to produce an extraordinary level of print quality that looks and feels like offset. A single technology for the broadest set of applications.

The unique combination of unmatched color and ink capabilities with superior print quality on the broadest media gamut, delivers a wide range of high-value applications enabling profitable business growth.

HP
INDIGO
DIGITAL PRESS

100K

Exploit the best of both worlds through an optimal coexistence of analog and digital technologies, driving profitable growth.



Transform

- Produce short runs more economically due to elimination of makeready and plate costs
- Move the right jobs to digital where they are more efficient (time) and economical (cost)

Optimize

- Optimize existing digital work leveraging larger sheet sizes
- Reduce the number of sheets and impressions required per job by maximizing imposition efficiencies

Augment

- Seize new business opportunities with digital value; for example, large data-driven programs with variable data and personalization applications
- Bring in new revenue and profit streams

The HP Indigo 100K Digital Press releases 46% of conventional press hours

OVERALL OFFSET PRESS EFFICIENCY (1.15:1)



SHORT RUN JOBS CONVERTED TO THE INDIGO 100K (2.74:1)



FREEING UP CAPACITY ON THE OFFSET PRESS DUE TO JOBS CONVERSION TO THE INDIGO 100K (0.59:1)



NEW OFFSET PRESS EFFICIENCY (0.59:1)



¹compared to a typical/average B2 offset press in the marketplace. Industry standard/average parameters

Makeready Hours Run Hours Hours Released



HP Indigo 100K Digital Press

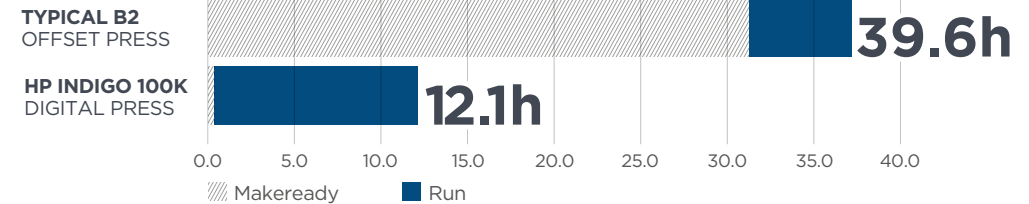
TOWER OF PRODUCTION

A typical job basket in any given day

Job ID

	Jobs per Day	Order Quantity	Finished Prod. # of Pages	Product Specs	Substrate GSM	# CMYK Front/Back
Flyer A4 4/4 135 gsm	3	5,000	2	210 x 297 x 2	135	4/4
Flyer A5 4/0 135 gsm	3	7,500	1	146 x 210 x 1	135	4/0
Poster A2 4/0 100 gsm	3	500	1	420 x 594 x 1	100	4/0
Postcard A6 4/4 300 gsm	3	10,000	2	148 x 105 x 2	300	4/4
Brochure saddle-stitched A4 16pp 4/4 135 gsm	3	1,000	8	420 x 297 x 8	135	4/4
Catalog perfect bound A4 128pp 130 gsm	1	350	128	210 x 297 x 128	130	4/4
Calendar A4 duplex 250 gsm	2	500	26	850x550x260	250	4/4
Calendar A3 simplex 250 gsm	3	400	13	630 x 297 x 13	250	4/0
TOTAL NUMBER OF JOBS PER DAY: 21						

A truly game-changing time difference on every job basket.



3.3X

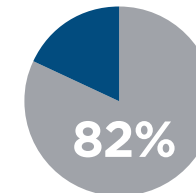
MORE EFFICIENT
ON HP INDIGO 100K
DIGITAL PRESS
(TIME SAVINGS)

ONLY 2%

WASTE COMPARED
TO 43% ON OFFSET

18%

COST SAVINGS



■ Cost Savings
■ Total Cost

Typical/average B2 offset press in marketplace. Industry Standard/Average Parameters for a two shift operation



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