

HP Indigo 7K Secure Press



Technical specifications

Printing speed	120 four-color 8.5 x 11 (A4) pages per minute - two-up 160 color 8.5 x 11 (A4) pages per minute in EPM - two-up 240 two-color or monochrome 8.5 x 11 (A4) pages per minute - two-up
Image resolution	812 dpi at 8 bit; addressability: 2438 x 2438 dpi HDI (High Definition Imaging)
Line screens	144, 160, 175, 180, 180m, 210, HMF200 lpi
Sheet size	13 x 19 in (330 x 482 mm) maximum
Image size	12.48 x 18.26 in (317 x 464 mm) maximum
Paper weight and thickness*	Coated: 55 lb text to 130 lb cover (80 to 350 gsm); Uncoated: 40 lb text to 130 lb cover (60 to 350 gsm); Thickness 3 to 16 pt. (70 to 400 microns)
Feeder	Four drawers: Three drawers with 6 in (150 mm) each, 1500 sheets of 80 lb text (120 gsm) each One special jobs drawer: 2.5 in (70mm), 700 sheets of 80 lb text (700 sheets of 120 gsm) A total of 5200 sheets of 80 lb text (120 gsm). All drawers support the full range of substrates
Stacker	Main stacking tray with 23.6 in (600 mm) stack height; supports offset jogging, 6100 sheets of 80 lb text (6100 sheets of 120 gsm); Proof tray with 2.36 in (60 mm) stack height, 600 sheets of 80 lb text (600 sheets of 120 gsm)
Secure print server (DFE)	Secure PrintOS Production Pro for security applications IN170
Press dimensions	Length: 214.3 in (5443 mm); Width: 90.5 in (2298 mm); Height: 82.8 in (2104 mm)
Press weight	7300 lb (3300 kg)
Cloud connectivity	Via HP PrintOS [®]
HP Indigo Optimizer	Automatic prioritization of the job queue
HP Indigo ElectroInks	
Standard 4-color printing	Cyan, Magenta, Yellow, and Black
5-color printing	Via 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	Silver, Premium White, Fluorescent Pink, Transparent, Digital matte, Invisible Yellow, Invisible Red, Primer, Easy Release, Light Light Black, Light Cyan, Light Magenta, Vivid Pink and Vivid Green.
HP IndiChrome off-press spot inks	HP IndiChrome Ink Mixing System (IMS) for spot color creation using CMYK as well as Orange, Violet, Green, Reflex Blue, Rhodamine Red, Bright Yellow, and Transparent
PANTONE [®] color	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) for achieving up to 97% of the PANTONE [®] color range.
Security Inks	HP Indigo Invisible ElectroInks (Yellow and Blue), Taggant inks Restricted security inks: Secure UV red, Secure Color shifting (availability 2024)
Secure Features	
Secure Composer Server	High performance on-the-fly generation and composition of unique digital security elements by Jura JSP, authenticable by Jura JSP mobile phone application with restricted licenses
Secure Designer	Encrypted job workflow
Secure print process	A unique LEP printing process tailored for security applications with advanced capabilities to create dots, lines, and fine microstructures
Original producer mark	Covert & encrypted tool to embed production information within security documents, for lab inspection.
6 color secure color production	Print up to 6 separations with security inks
Options	
Expanded color capabilities	6 or 7 on-press ink stations; HP IndiChrome Ink Mixing System
Auto Alert Agent	Enables on-press alert system
White ink	Enables use of ElectroInk Premium White ink
Special effects kit	Enables creation of on-demand, on-press high-value applications
Thick substrate kit	Supports paperboards up to 22 pt. (550 microns)
One Shot process kit	Enables printing on synthetics using One Shot technology
Additional stacker	One additional stacker with 23.6 in (600mm) of media

*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.

Learn more at
hp.com/go/indigo

PUB Number - 4AA8-3304ENW, September 2023
This is an HP Indigo digital print



HP Indigo 7K Secure Press



One Press. One Pass. Multiple Layers of Security.



Deliver multi-layered, personalized and exclusive security solutions on one press, in one pass^[1]

HP Indigo's digital, multi-layered security solutions—in alliance with JURA JSP—make counterfeiting an even greater challenge.

© Copyright 2023 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Advanced Digital Security Solutions For Sheetfed Workflow

HP Indigo, with its years of leading technology, customer experience, reliability, and strong, trusted reputation, is creating a never-before-seen approach to restricted digital security printing^[2] with multi-layered, personalized solutions for the security industry.

Offer unique, restricted security elements

The HP Indigo Secure Digital Press is a fully secure digital solution that offers restricted and government-level security elements with the most advanced digital print solutions.

- Print within a secure printing environment (Secure DFE): no reprinting, job auto-delete, encrypted workflow and controlled production
- Secure your print process with JURA software and features, developed exclusively for HP Indigo secure presses
- Provide an Original Producer mark that can be embedded into security documents, suitable for lab inspection
- Print with exclusive security inks restricted to the HP Indigo secure press (invisible red, color shifting (2024) taggants)
- Offer your customers secure variable data printing for mass customization of documents



Efficiently print complex, secure jobs

HP Indigo's secure press streamlines production and increases efficiency with multi-layered security solutions, using minimal make-ready for on-demand printing

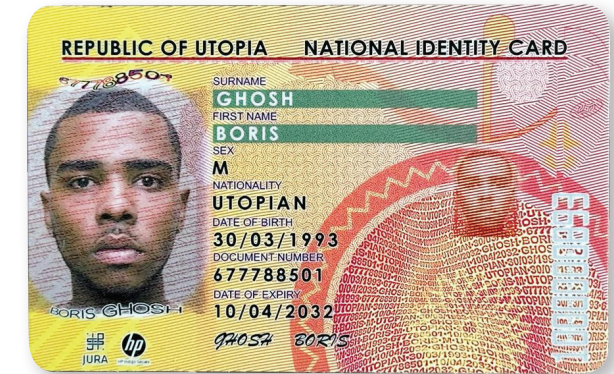
- Stay ahead of counterfeiters with multilayered security documents printed on one press in one pass
- Benefit from 6 dedicated ink stations for high quality color, including spot colors, invisible inks, taggant inks, premium white, and easy release
- Eliminate plates, thereby reducing make-ready and labor, with only one operator required
- Increase production efficiency with high-performance Secure Composer^[3], which builds secure jobs while printing
- Print double-sided in one pass with duplex sheetfed production, on the widest substrate range in the industry



Fight counterfeiting with an E2E holistic ecosystem

HP Indigo's adaptive digital technology and extensive partner network enables quick response to counterfeiting with a wide array of security solutions

- Reliably print with versatile, robust and market-proven HP Indigo 7K Digital press and benefit from the Mix Mode capability^[4].
- Lead the market with your choice of cutting-edge secure technology partners available for HP Indigo's digital platform
- Answer a broad range of secure market needs with substrate versatility
- Automate and optimize end-to-end print operations, by integrating software systems within a wide partner ecosystem



Services

Enable your operator to get the most out of your press by building his self-sufficiency through knowledge, on-press platform and expert support.

Media

Lead, innovate, and create distinct and incredible products for your customers with diverse media on hand.

HP Indigo Secure

Apply never-before-seen adaptive security solutions that provide multi-layered digital protection in just one pass.

Sustainability

Step right into the forefront by exceeding your customers' demands and lead a new era of responsible printing.

^[1]One pass compared to traditional security solutions that typically require multiple passes through multiple devices. For example, HP Indigo Secure solutions can print secure inks, secure graphical design, and secure serialization on one press, in one pass.

^[2]HP Indigo security printing solution, including solutions based on HP Indigo LEP technology, HP Indigo inks, and new solutions, based on alliances, designed specifically for HP Indigo technology.

^[3]On the fly composer creates more efficient workflow for variable page composition with on-the-fly RIP for variable documents. It enables quicker printing and less time spent in pre-press.

^[4]Mix Mode is the ability to switch easily between secure and non secure jobs.