# HP INDIGO 6K SECURE PRESS

HP Indigo's digital, multi-layered security solutions—in alliance with trusted security leaders—make counterfeiting an even greater challenge.[2]

## DIGITAL SECURITY PRINTING SOLUTIONS IN ONE PASS

Deliver multi-layered, personalized and restricted security solutions on one press, in one pass.[2]

# Digital security
# printing solutions
# in one pass

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[3]; multi-layered, personalized solutions for the security industry; and new, innovative digital printing solutions for advanced brand protection.[1]

## Respond quickly to counterfeiting with digital

When it comes to security printing, the difference between digital and traditional technologies is clear to see. HP Indigo Secure solutions enable efficient, on-demand printing of a wide array of multi-layered, serialized, multi-purpose security features achieved on one press, in one pass.[2]

- **Drive innovation with HP Indigo digital printing, which continues to evolve, grow, and** enhance what's possible when it comes to security.

- **HP Indigo Digital technology** helps combat the ever-increasing capabilities of counterfeiters with continually evolving security printing solutions, cutting-edge tools, and economically viable low-volume jobs.

- HP Indigo digital printing is an exclusive, single source technology that offers a broad range of security options that can only be printed using an HP Indigo digital secure press in one pass on one press[2] and can be part of a full authentication and track-and-trace solution.

- HP Indigo Digital printing offers unique multi- personalized security elements and multi-serialization techniques that are used for each printed product vs. traditional security printing, which is mainly based on repeatable high-resolution elements and minor serialization.

- **Adapt to change** with digital technologies that are quick to respond to counterfeiting and enable economical printing of low volume jobs.
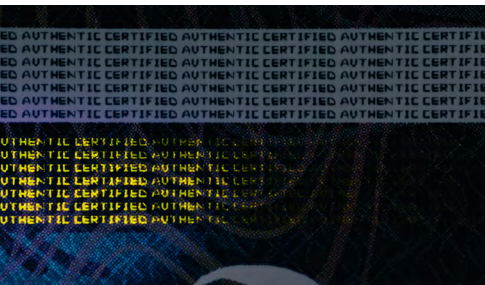
## Make counterfeiting harder

Deliver multi-layered, serialized, and restricted security solutions to fight back against counterfeiters and preempt new strikes. Our solutions leverage industry-leading HP Indigo LEP digital print technology to provide a vast portfolio of unique features and solutions for different levels of security printing and advanced brand protection[1], achieved on one press, in one pass[2]—making counterfeiting an even greater challenge.

- **Efficient, secure production on one press, in one pass**[2] versus multiple passes through multiple devices, helps save time and money.

- **Innovative, restricted, and exclusive security inks** cannot be used with other digital print technologies.

- **Can prevent potential security breaches with** the customized and unique press signature/fingerprint.

- **Secure workflows and end-to-end security,** from different levels of restriction to inks delivered through HP's secure supply chain.[4]

- **Built on exclusive, proprietary HP Indigo LEP technology and renowned security solutions** that can't be copied.

- **Enable perfect color registration** with HP Indigo One Shot Color technology.

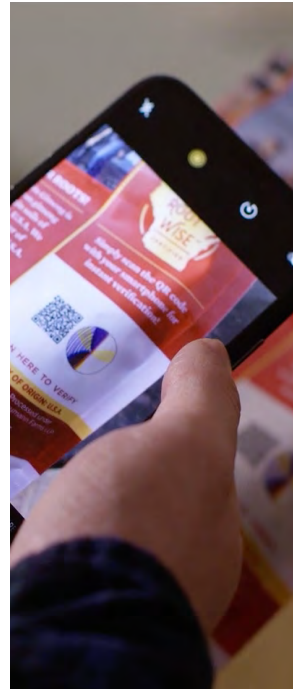- **Offset quality with full digital** image blanket transfer.

## Access industry's leading security solutions

HP Indigo's strong alliances with trusted and credentialed security leaders give you and your customers the ability to mix and match a wide range of advanced security applications.

- Add value to your customer offering with renowned security solutions supported by powerful alliances between HP Indigo and other industry leaders.

- Deliver multi-layered, dynamic, adaptive, mix-and-match security solutions.

- Some of our alliances for origination and graphical design include Jura, Agfa, and Haiyaa.

- Some of our alliances for security pigments include Bsecure and VerifyMe.

- For secure track-and-trace, some of our key allies are Evrythng, Scantrust, and Micro focus.

- Look to HP and our alliances to define the digital security printing ecosystem of today, and the future.

# HP INDIGO
# 6K
## SECURE PRESS ▪

**Advanced brand protection** [1]Advanced brand protection includes protecting brands against product diversion, counterfeiting, liabilities, and reputation loss. HP Indigo Secure allows the authenticity of the product with features like serialization, invisible inks, and track and trace. **On one press, in one pass** [2] 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. **Never-seen- before approach** [3]Never-before seen 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. **HP's secure supply chain** [4] HP's supply chain is fully controlled from production to end customer. High-security inks have additional secure manufacturing and distribution protocols.

**PrintOS^x**
Unleash the performance of your HP Indigo press with a suite of solutions that enables you to create your Print Factory of the future.

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

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

**HP INDIGO SECURE**
Apply never-seen-before 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.

## HP Indigo 6K Secure Press
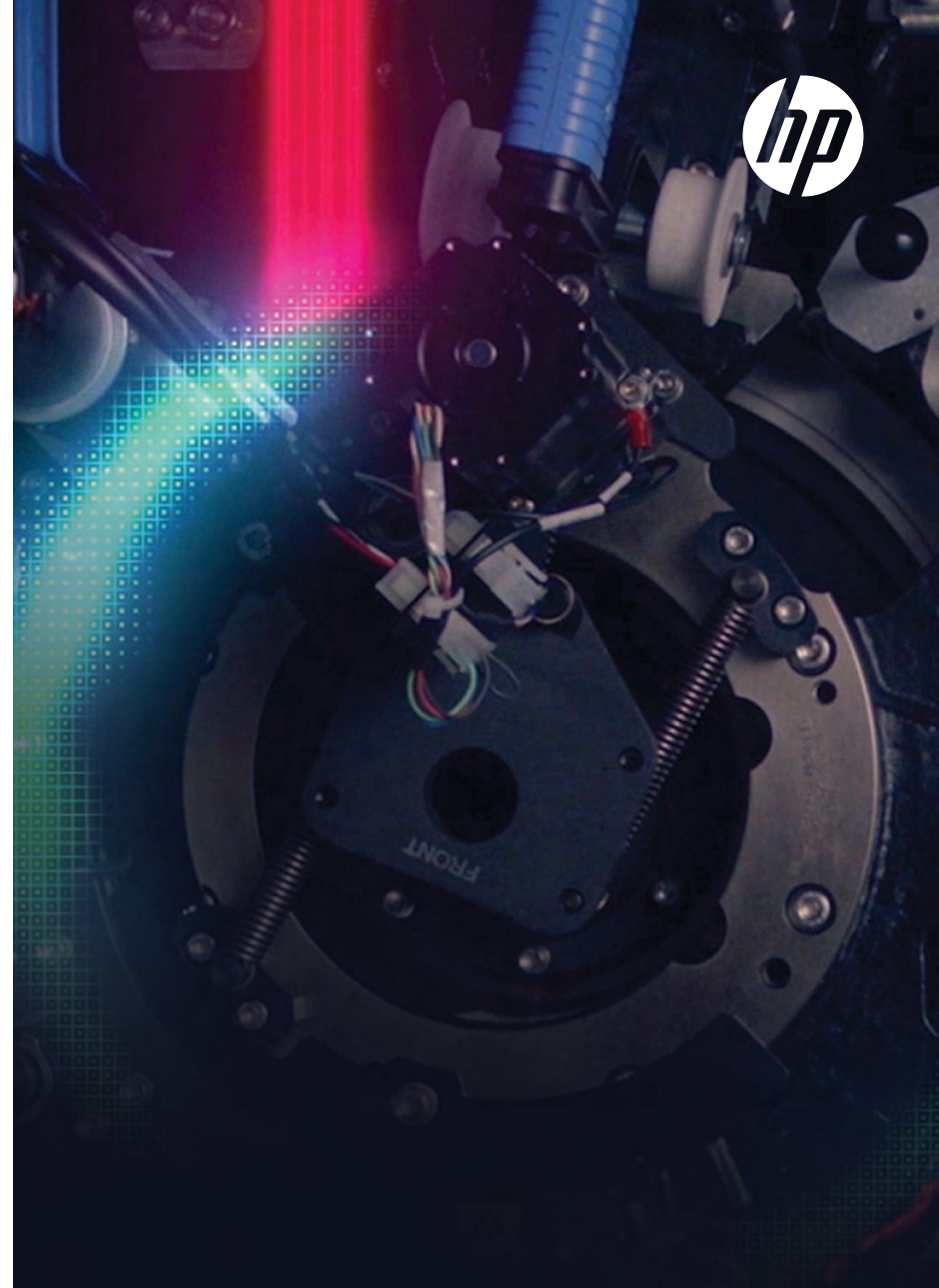## Technical specifications

| | |
|---|---|
| Printing speed | Up to 98 ft/min (30 m/min) in 4-color mode<br>Up to 130 ft/min (40 m/min) in Enhanced Productivity Mode<br>Up to 196 ft/min (60 m/min) in 1- or 2-color mode |
| Image resolution | 812 dpi at 8 bit; addressability: 2438 x 2438 dpi HDI (High Definition Imaging) |
| Line screens | 175, 180, 196, 210 lpi |
| Image size | 12.59 x 38.58 in (320 x 980 mm) maximum |
| Substrate thickness* | 0.5 to 18 pt. (12 to 450 microns) |
| Substrate type | Pressure-sensitive label stock, paper, unsupported films, and paperboard |
| Web width | Max. width: 13.39 in (340 mm) / Min. width: 7.87 in (200 mm) |
| Unwinder | Input roll max. diameter: 39.37 in (1000 mm)<br>Core inside diameter:<br>• Standard: 3 in (76.2 mm)<br>• Optional: 6 in (152.4 mm)<br>Max. roll weight: 595 lb (270 kg) |
| Rewinder | 27.56 in (700 mm) max. roll diameter |
| Secure Print server | Production Pro DFE for secure press |
| Press dimensions | Length: 228 in (5780 mm), Width: 155 in (3940 mm), Height: 83 in (2108 mm); Inline Priming Unit: Length: 55 in (1410 mm); Width: 61 in (1560 mm); Height: 40 in (1760 mm) |
| Secure production environment | High Secure Package for HP Indigo 6K Secure Press |
| Press weight | 12,157 lb (5400 kg); Inline Priming Unit: 4000 lb (1800 kg) |
| **HP Indigo ElectroInks** | |
| Standard 4-color printing | Cyan, Magenta, Yellow, and Black |
| PANTONE® colors | Supports PANTONE PLUS®, PANTONE MATCHING SYSTEM®, PANTONE Goe™<br>HP Professional PANTONE Emulation Technology using CMYK on-press; HP IndiChrome on-press; HP IndiChrome Plus on-press;<br>HP IndiChrome off-press (IMS) for achieving up to 97% of the PANTONE® color range. |
| Security Inks | HP Indigo Invisible ElectroInks (Yellow/Blue). |
| Additional process inks | Standard White, Premium White, White for Sleeves, Fade Resistant Yellow, Fade Resistant Magenta, Fluorescent Pink, HP Indigo ElectroInk Silver |
| **Options** | |
| Composer VDP Server | HP SmartStream Composer VDP Server |
| Designer | HP SmartStream Designer |
| Press Microstructure | Jura Microstructure for HP Indigo 6K Secure Press |
| Cloud connectivity | Via HP PrintOS[x] |
| Enhanced Productivity Mode | Enables three-color EPM printing (Cyan, Magenta, Yellow) |
| Inline Priming Unit (ILP) | Enables easy on-demand treatment of substrates |
| Configurations | Dual mode inline finishing connectivity kit, flexible packaging packer arm support in rewinder, Automatic Alert Agent (AAA), Color Automation Package |
| Reinsertion | Simplex and duplex capability |

**PANTONE** Digital Color

**Intertek** Independently verified for environmental credentials

* Media characteristics vary. HP cannot guarantee performance of media not listed in the Media Locator and recommends testing prior to use.

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