

HP Indigo 6900 Digital Press



Outperforming the market's best narrow-web digital press



Driving unmatched quality, productivity and versatility

Changes in consumer behaviour and market trends are prompting brands to adapt and evolve, constantly looking for ways to **SAVE** money, **SPEED** time to market and **ENGAGE** better with consumers. For labels and packaging converters, this translates into a dramatic shift from traditional long runs to short runs and “new” long runs, consisting of multiple SKUs, brand protection features and variable data characteristics. HP Indigo allows innovative converters to seize this amazing growth opportunity by enabling them to print anything, in the most productive manner, and at the highest quality.

Introducing the HP Indigo 6900 Digital Press. A press built on the foundation of the market-leading narrow-web printing solution for digital labels and packaging production, the HP Indigo 6000 series, to enable printing of any label, at any run-length, in a simpler, more productive and profitable way.

Say YES to unmatched versatility and open new market opportunities with the ability to produce any L&P application, any colour, at any run length.

Be productive - increase productivity and put automation to work for you.

Stand out by relying on Indigo's renowned print quality.

CO₂ neutral

Boost your sustainability

The HP Indigo 6900 Digital Press is manufactured carbon neutral, and offers reduced production waste, a takeback program, and energy efficiency. Certified with the Intertek Green Leaf Mark. The Regenerated Imaging Oil (RIO) system allows the press to be self-sustainable in imaging oil usage.

To learn more, visit hp.com/go/graphic-arts or hp.com/go/hpindigo6900



Keeping you up to date.

Many press enhancements and upgrades are available as options for HP Indigo WS6000 Series Digital Press owners.

Industry benchmark in labels and packaging production

Pack Ready for Labels



Say YES to unmatched versatility

The HP Indigo 6900 offers unique solutions allowing converters to produce any narrow-format label, flexible packaging, sleeve, IML, wrap-around labels or folding cartons job, with easy and quick changeovers.

- **Endless applications.** Produce nearly any packaging application, including labels, flexible packaging, and shrink sleeves on any film or paper.
- **Widest media gamut.** The press supports the widest range of media in digital production including synthetic and paper substrates from 12-450 microns. Print on either pre-optimised substrates or standard off-the-shelf materials using inline or offline priming solutions. Many eco-certified substrates as well as environmentally friendly primers, varnishes, and adhesives are supported.
- **High-value colours.** Add value to any application with our extended colour gamut, including the ElectroInk Silver, Fluorescent Pink, and invisible inks.
- **Widest white portfolio.** Choose from a wide range of opacities, including the ElectroInk Premium White, a versatile, opaque white, delivering up to silk screen white opacity in a single print process with a thin white layer, fully dried and cured on impact.
- **Enhanced resistance.** Address high-performance applications with Pack Ready for Labels, designed to improve the labels' resistance against water, chemical and mechanical exposure, through cross-linking between the upper and lower layers of the label's construction. An upgraded In-line Priming (ILP) unit makes for enhanced press utilization, and better serviceability. The HP Indigo ElectroInk Fade Resistant Yellow and HP Indigo ElectroInk Fade Resistant Magenta expand the addressability of applications that require a high level of lightfastness in outdoor conditions.
- **Production flexibility and breakthrough simplicity.** Simplify embellishments and accelerate time-to-market by integrating with the innovative digital embellishment HP Indigo GEM, a one-pass inline solution that brings the full advantages of digital print to the label embellishment process. Simplify production and save time and money on highly decorated labels jobs, by allowing the addition of variable digital foil, tactile, varnish and special effects in a single pass.
- **Unlimited designs.** HP SmartStream Mosaic variable design technology enables a one-of-a-kind, memorable customer experience and adds value to products. It automatically generates millions of unique designs from a fixed number of seed patterns and colour shuffling capabilities.
- **Brand protection.** Provide brands with the tools necessary to obtain top quality layered protection, by offering a wide range of security features including microtext, track & trace solutions and invisible security inks, all printed on one press in one pass.

HP Indigo ElectroInk Silver



HP Production Pro for Indigo L&P



Be productive

Streamline production by utilizing a whole new set of powerful tools and systems. Enable an all-digital production floor, powered by the best E2E solution and user experience available in the industry.

- **Powerful print server.** Optimise and control production, increase press utilisation with cutting-edge RIP capabilities, and expand fleet connectivity by utilising our new, powerful, scalable and cloud-connected DFE - HP Production Pro for Indigo Labels & Packaging.
- **Enhanced Productivity Mode (EPM).** Use three-colour printing to increase throughput by 33%, with 25% less energy consumed.
- **Colour automation and consistency** Advanced colour automation, sophisticated colour matching tools, and shorter colour calibration (X2 less substrate) make it fast and easy to hit brand colours with extreme accuracy, consistency and repeatability from the first print to the last, across presses and sites.
- **PrintOS** Access HP PrintOS anywhere, anytime and get more out of your HP Indigo presses. PrintOS is a collection of web and mobile apps that support the efficient production of labels and enables customers to simplify and automate production processes.
- **Workflow & Converting solutions.** The HP labels and packaging workflow and finishing solutions, including a full range of inline and offline label converting systems, allows access to a complete ecosystem of end-to-end automation, from order to fulfilment, enabling converters to boost profitability, increase output, save time and reduce costs.
- **Automatic Alert Agent.** Tight process control with high detection rate using machine learning algorithm.
- **Splice detector.** Enable continuous printing by automatically detecting media splices.

Service Advantage

Our certified service teams are committed to meeting your end-to-end needs for accelerated ramp-up and maximum uptime. Remote engineers around the world provide support in multiple languages. Use the on-press capabilities of Print Care to resolve issues quickly and independently. The Smart Uptime Kit helps you to quickly locate the right part and manage your inventory.

Learn more at hp.com/go/indigoservice

Stand out with Indigo's leading quality

Meet the most stringent corporate branding requirements with gravure-matching quality, delivering high resolution printing and perfect registration with HP Indigo's superior Liquid Electrophotography technology (LEP). Brands around the world use the HP Indigo WS6000 Digital Press Series for its print quality and versatility to respond to market challenges, optimise their supply chain, and accelerate time-to-market. HP Indigo's powerful variable data capabilities provide added value for brands in the realm of consumer engagement.

- **Widest digital colour gamut.** Reach up to 97% of PANTONE® colours on press using CMYK or HP IndiChrome's 6- or 7-colour process. True spot colours can be ordered or mixed off-press with the HP IndiChrome Ink Mixing System for outstanding Pantone-approved solids.
- **High resolution printing.** HP Indigo's Liquid Electrophotography (LEP) technology, delivers crisp attractive images and smooth vignettes with a very thin ink layer that gives uniform gloss between the ink and substrate.
- **One Shot technology.** All colour separations are transferred simultaneously in a single pass on the substrate, for accurate and repeatable colour-to-colour registration, including on heat-sensitive materials.
- **Intelligent colour management.** The Colour Automation Package guarantees standards-matching colour accuracy and consistency. A built-in spectrophotometer and software tools simplify colour management and eliminate the need for manual calibration processes.



- 1. Unwinder
- 2. Inline Priming Unit (ILP)**
- 3. Pack Ready for Labels**
- 4. Priming station
- 5. Corona

- 6. Dryer
- 7. High-speed laser writing head
- 8. Charge roller
- 9. Photo Imaging Plate (PIP)
- 10. Binary Ink Developers (BIDs)

- 11. Blanket
- 12. Impression cylinder
- 13. Inline spectrophotometer
- 14. Ink cabinet
- 15. Inline scanner

- 16. Rewinder
- 17. Imaging oil recycling system

** Available as an option

Technical specifications

Printing speed	Up to 30 m/min in 4-colour mode Up to 40 m/min in Enhanced Productivity Mode Up to 60 m/min in 1- or 2-colour 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 format	320 x 980 mm maximum
Substrate thickness*	12 to 450 microns
Substrate type	Pressure-sensitive label stock, paper, unsupported films, and paperboard
Web width	Max. width: 340 mm / Min. width: 200 mm
Unwinder	Input roll max. diameter: 1000 mm Core inside diameter: • Standard: 76.2 mm • Optional: 152.4 mm Max. roll weight: 270 kg
Rewinder	700 mm max. roll diameter
Print server	HP Production Pro for Indigo Label & Packaging
Press dimensions	Length: 5780 mm, Width: 3940 mm, Height: 2108 mm; Inline Priming Unit: Length: 1410 mm; Width: 1560 mm; Height: 1760 mm
Cloud connectivity	Via HP PrintOS
Press weight	5400 kg; Inline Priming Unit: 1800 kg
HP Indigo ElectroInks	
Standard 4-colour printing	Cyan, magenta, yellow, and black
Additional process inks	Standard white, premium white, white for sleeves, fade resistant yellow, fade resistant magenta, fluorescent pink, HP Indigo ElectroInk Silver, HP Indigo Invisible ElectroInks (Yellow/Blue)
HP IndiChrome 6-colour printing	Cyan, magenta, yellow, black, orange, and violet
HP IndiChrome Plus 7-colour printing	Cyan, magenta, yellow, black, orange, violet, and green
HP IndiChrome off-press spot inks	HP IndiChrome Ink Mixing System (IMS) for spot colour creation using CMYK as well as orange, violet, green, reflex blue, rhodamine red, bright yellow, and transparent
PANTONE® colours	Supports PANTONE PLUS®, PANTONE MATCHING SYSTEM®, 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® colour range.
Options	
Enhanced Productivity Mode	Enables three-colour EPM printing
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), Colour Automation Package
Print server options	HP SmartStream Labels and Packaging Tools, Powered by Esko HP SmartStream Designer for AI
Reinsertion	Simplex and duplex capability

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



Independently verified for
Intertek environmental credentials

Learn more at
hp.com/go/indigo

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