HP Indigo 7900 Digital Press

A high-performance sheetfed press with unique capabilities

The freedom to do more

The HP Indigo 7900 Digital Press is the market-leading 13 x 19 inch format digital sheetfed press, keeping you a step ahead with major innovations in print quality, intelligent automation and media versatility to reach the highest levels of productivity. Distinct printing capabilities enable the widest range of digital applications.

The leader in print quality and color
Enabled by HP Indigo's liquid ElectroInk technology and unique digital offset process, HP Indigo digital prints are the highest quality. Using dozens of software and hardware innovations, the press delivers the smoothest and sharpest prints in the industry, matching or even exceeding offset quality. HP Indigo ElectroInk has the widest digital color gamut, in addition to special inks, using up to 7 ink stations on press. A 5th ink station is standard.

Unlimited versatility for any application
Meet any customer request faster than ever. On-press priming enables printing on virtually any paper for new production possibilities. Produce applications that stand out with special effects and unique inks. One Shot technology prints on specialty substrates including canvas, synthetics, lenticular, and metalized media. HP SmartStream Mosaic produces millions of one-of-a-kind products using variable design technology.

High productivity
Print in color at up to 160 ppm for more than 5 million color pages every month. Sophisticated color automation ensures standard-matching color accuracy and consistency saving time and costs. An on-press production assistant ensures non-stop printing. Benefit from the industry's most scalable and powerful print server.

The choice of brands
Brands use HP Indigo for its high print quality, just-in-time production, and ability to engage customers by customization and personalization with unique variable data printing capabilities.

Reinvent print production
HP PrintOS is a print production operating system with apps that help you get more out of your HP Indigo presses, and simplify and automate your production. Use PrintOS to continuously improve operations. Access the open and secure cloud-based PrintOS platform anytime, anywhere.

Boost your sustainability.
The HP Indigo 7900 Digital Press is manufactured carbon neutral, and offers reduced production waste, a takeback program, and energy efficiency. Certified with the Intertek Green Leaf Mark.

CO_2 neutral

To learn more, visit hp.com/go/graphic-arts or hp.com/go/hpindigo7900

A digital press and much more

Leading digital print quality

Digital offset color technology. HP Indigo's liquid electrophotography (LEP) technology, using HP Indigo ElectroInk with minute ink particles, delivers crisp linework, attractive images and smooth vignettes with a very thin ink layer that gives uniform gloss between the ink and substrate.

Setting new quality standards. Major innovation in software, hardware and supplies takes printing quality to new levels. Advances include optimized calibrations for perfect color uniformity, tailored print quality modes, and a microsphere-based blanket.

Widest digital color gamut. Use the 5th ink station to take advantage of special inks and spot colors. Emulate PANTONE® colors on press using CMYK or HP IndiChrome's 6- or 7-color process. True spot colors can be mixed off press or ordered from the HP IndiChrome Ink Mixing Service, covering up to 97% of the PANTONE® color range.

Unmatched versatility

Specialty media printing. One Shot technology extends media capabilities to special substrates including canvas, synthetic, lenticular, dark and metalized media. All color separations are transferred to the substrate in a single pass with perfect registration. Launch new business with plastic cards, photo specialty canvas prints, lenticular applications, and more.

Digital ink priming. Use HP Indigo ElectroInk Primer to produce an increased variety of applications, and print on an extended range of substrates, including offset stock and specialty papers.

Unlimited designs. Automate the creation of millions of one-of-a-kind designs with HP SmartStream Mosaic's variable design technology for sophisticated, high-value products. It now includes color shuffling capabilities.

High-impact inks. HP Indigo ElectroInk White on transparencies, dark, and metallic substrates makes a high-impact for invitations, greeting cards, photo albums, and more. HP Indigo ElectroInk Fluorescent Pink stands out for premium pages and glow-in-the-dark effects.

Textured and raised effects. Create embossed-style textures for a boost of creativity and uniqueness. Make images with raised print using layers of transparent ink. Digital watermarks can be produced with transparent ink for corporate and security applications. HP Indigo ElectroInk Digital Matte creates selective glossy varnish effects.

Raised print makes tactile effects.

Protecting your investment. Most innovations in the HP Indigo 7900 will be available as optional upgrades to the HP Indigo 7000 Digital Press Series.

Smart automation for high productivity

Make the best use of press time. Benefit from up to 40% higher productivity using Optimizer, the on-press production efficiency assistant. The artificial intelligence algorithm optimizes the queue for non-stop printing using Indigo's unique proof-while-print capability.

Color automation. Use automated color management tools and the inline spectrophotometer to easily meet color standards and achieve color accuracy and consistency across Indigo presses, sites, and time, as well as between Indigo and offset.

Enhanced Productivity Mode (EPM). Increase throughput by 33% using only three colors, significantly reducing turnaround time and production costs, with 25% less energy consumed per printed page. A pre-flight solution by Enfocus can automatically select suitable jobs.

Automated print quality control. The Automatic Alert Agent performs real-time error detection while printing, reducing waste and increasing productivity. The system finds and highlights inconsistencies between the digital file and the printed sheet.

End-to-end production

Powerful print server. HP SmartStream Production Pro Print Server 6 is the industry's most scalable and powerful print server. It can handle the most challenging workloads and offers a wealth of easily automated prepress tools to optimize production.

PrintOS. Print Beat provides visibility to press performance to drive continuous improvement to print operations. PrintOS Site Flow efficiently manages any number of jobs per day, even hundreds or thousands. Automate, simplify and streamline files submission with PrintOS Box. Use PrintOS Composer for heavy VDP processing including sophisticated Mosaic campaigns.

Finishing. Direct2Finish allows automating the bindery by creating and delivering JDF instructions to enabled finishing devices. This allows faster turnarounds, lowers labor costs and prevents costly errors in the finishing department. HP Indigo partners with leading finishing vendors to drive cost-effective end-to-end production.

1. **Feeder**
2. **High-speed laser writing head**
3. **Charge roller**
4. **Photo Imaging Plate (PIP)**
5. **Binary Ink Developers (BIDs)**
6. **Blanket**
7. **Impression cylinder**

8. **Perfector**
9. **Inline spectrophotometer**
10. **Ink cabinet**
11. **Vision System**
12. **Proof tray**
13. **Stacker**
14. **Imaging Oil Recycling System**

Technical specifications

Printing speed	120 four-color 8.5 x 11 pages per minute (two-up) 160 color 8.5 x 11 pages per minute in EPM (two-up) 240 two-color or monochrome 8.5 x 11 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 maximum
Image size	12.48 x 18.26 in maximum
Paper weight*	Coated: 55 lb text to 130 lb cover; Uncoated: 40 lb text to 130 lb cover; Thickness 3 to 16 pt
Feeder	Three drawers with 6 in each (1500 sheets of 80 lb text each) One special jobs drawer: 2.5 in (700 sheets of 80 lb text) A total of 5200 sheets of 80 lb text. All drawers support the full range of substrates.
Stacker	Main stacking tray with 23.6 in stack height, supports offset jogging (6100 sheets of 80 lb text) Proof tray with 2.36 in stack height (600 sheets of 80 lb text)
Print servers (DFE)	HP SmartStream Production Pro Print Server
Cloud connectivity	Via HP PrintOS
Press dimensions	Length: 214.3 in; Width: 90.5 in; Height: 82.8 in
Press weight	7300 lb
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
Special effect inks	Digital matte, fluorescent pink, invisible red, light black, light light black, light cyan, light magenta, and white
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° colors	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.
Options	
Print server (DFE)	HP SmartStream Ultra Print Server
Expanded color capabilities	6 or 7 on-press ink stations; HP IndiChrome Ink Mixing System
HP Indigo ElectroInk Primer	Supports use of off-the-shelf papers
Auto Alert Agent	Enables on-press alert system
Optimizer	Automatic prioritization of the job queue
White ink	Enables use of white ink
Special effects kit	Enables creation of on-demand, on-press high-value applications
Thick substrate kit	Supports paperboards up to18 pt.
One Shot process kit	Enables printing on synthetics using One Shot technology
Additional feeder/stacker	One additional feeder with three drawers, each with 7 in of media. One additional stacker with 23.6 in 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.

PANTONE Digital Color

Intertek CERTIFIED

Independently verified for environmental credentials

Learn more at
hp.com/go/indigo

This is an HP Indigo digital print.