

HP Indigo 10000 Digital Press

A 29 inch format Indigo press delivering breakthrough productivity and application range



The 29 inch format HP Indigo 10000 Digital Press produces any commercial job—with Indigo quality, substrate versatility, and production flexibility. This robust press is an easy fit for offset print service providers, printing large volumes of high-value pages and a wide variety of applications.

Print any commercial job. With its 29 inch format and built-in duplex mechanism, the press makes it possible, for the first time, to digitally print any size application, including pocket folders, six-page brochures, posters, and large lay-flat books.

High productivity. Printing 3450 full size 29 inch sheets per hour (4/0) or 4600 using the Enhanced Productivity Mode (EPM), the press is capable of producing over two million color sheets per month. The 29 inch format enables highly efficient imposition of jobs and lowers the cost per copy, pushing the breakeven point vs. offset. The combination of press speed with the high number of copies imposed per sheet delivers at least two and a half times the productivity of any digital sheetfed press in the market today.

Widest media range. Supporting the largest media range in the industry, the press is compatible with more than 2500 certified substrates—from 45 lb text to 150 lb cover and 3-18 pt. in thickness—including

coated, uncoated, colored, metallic, recycled, and specialty papers, and paperboard for folding cartons.

Offset-matching print quality. Enabled by HP Indigo's liquid ElectroInk technology and unique digital offset process, HP Indigo prints are of the highest quality. They match or even exceed offset, allowing them to be used interchangeably. ElectroInk also provides the widest digital color gamut using up to 7 ink stations on the press.

The Quality Automation Suite on the press makes it easy to achieve the highest possible Indigo quality, using an embedded spectrophotometer, registration cameras, and the Vision System.

Easy fit for offset printers. The 29 inch format facilitates quick ramp up and easy integration into offset PSPs. The press is compatible with standard sheet size, offset palette feeding, and conventional finishing devices. Multiple drawers enable on-the-fly changeovers of media and continuous printing.

Designed for the environment. The press is designed for environmental sustainability. It has several new energy efficient techniques and consumes less oil compared to other HP Indigo presses.

To learn more, visit www.hp.com/go/graphic-arts
www.hp.com/go/hpindigo10000



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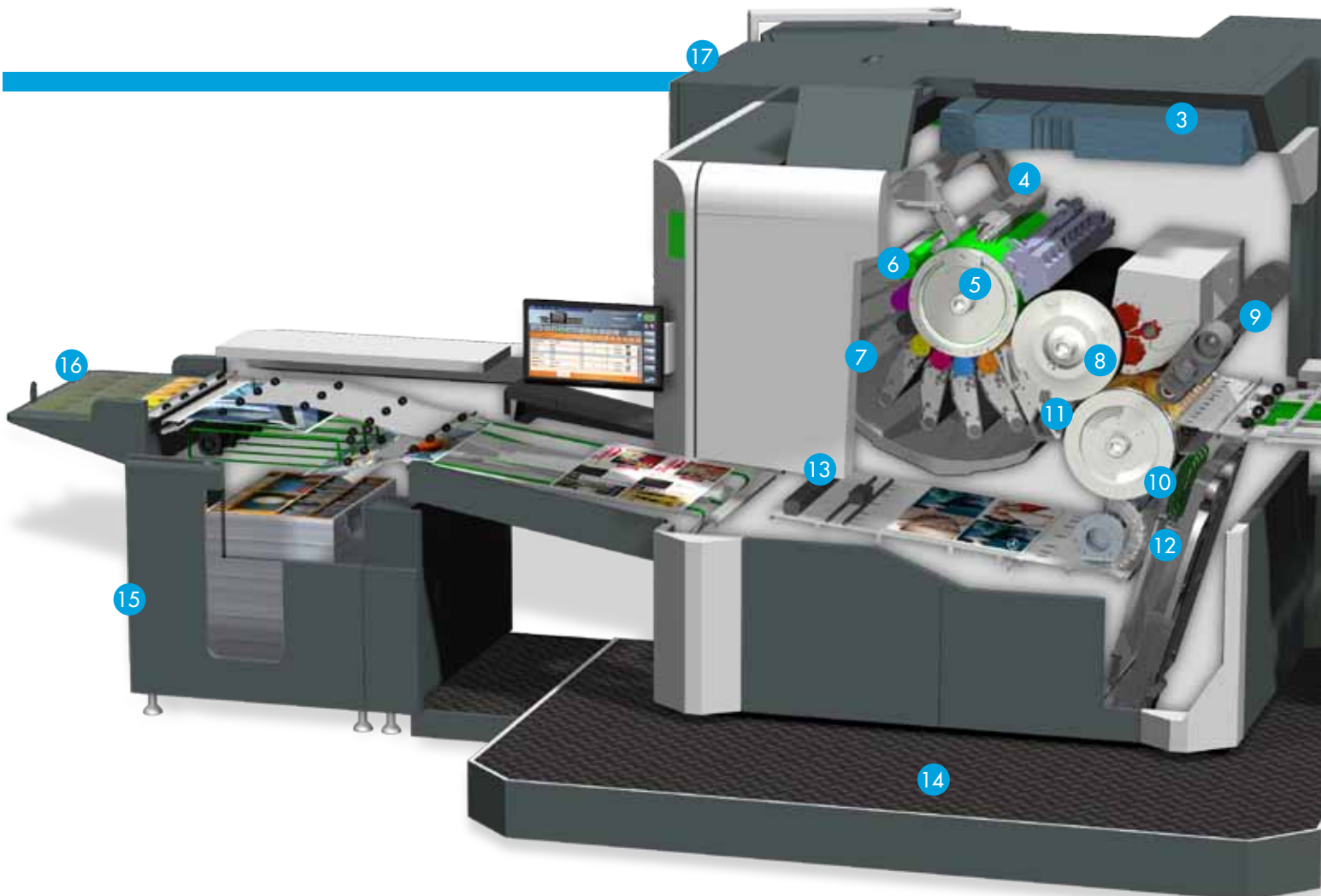
A 29 inch HP Indigo press that maximizes production possibilities

The leader in print quality and color. Like all HP Indigo presses, the HP Indigo 10000 Digital Press delivers offset-matching quality.

- ElectroInk and the HP Indigo process deliver crisp linework, attractive images and smooth vignettes with a very thin ink layer that gives uniform gloss between ink and substrate.
- Up to 7 ink stations for the extended color gamut, including HP Indigo ElectroInk White.
- 4, 6, or 7 process colors for vivid printing and optimal on-press Pantone emulations.
- True spot colors, mixed off press, for outstanding Pantone-approved solids.
- **Quality Automation Suite**—This embedded system ensures print quality within jobs and between jobs, and includes three different capabilities. Registration cameras maintain tight image registration between sheets, front-to-back, and in color plane registration (CPR); a Vision System performs automatic hands-free press calibrations and validates uniformity; and an embedded spectrophotometer calibrates color automatically.

Optimize operations with automation and usability. Extensive automation enables high press uptime and productivity, freeing operators from routine tasks.

- **Intuitive on-press software**—3D navigations, helpful drill downs, and multi-touch gestures.
- **Automated consumable replacement**—The Photo Imaging Plate (PIP) and blanket are changed by automated systems, freeing operators to do other tasks and increasing press uptime.
- **High capacity, high concentration ink cartridges**—support the high quantities of ink consumed by the press, while minimizing the number of replacements required by the operator.
- **Robust paper handling system**—designed for 29 inch sheets, enabling easy loading by palette and/or drawers. The robust system enables seamless switching between jobs and media types, as well as printing of multi-substrate jobs.
- **Print Care**—maximizes productivity and uptime with a fast diagnostic process and step-by-step guidance for problem solving, independently or through remote support.



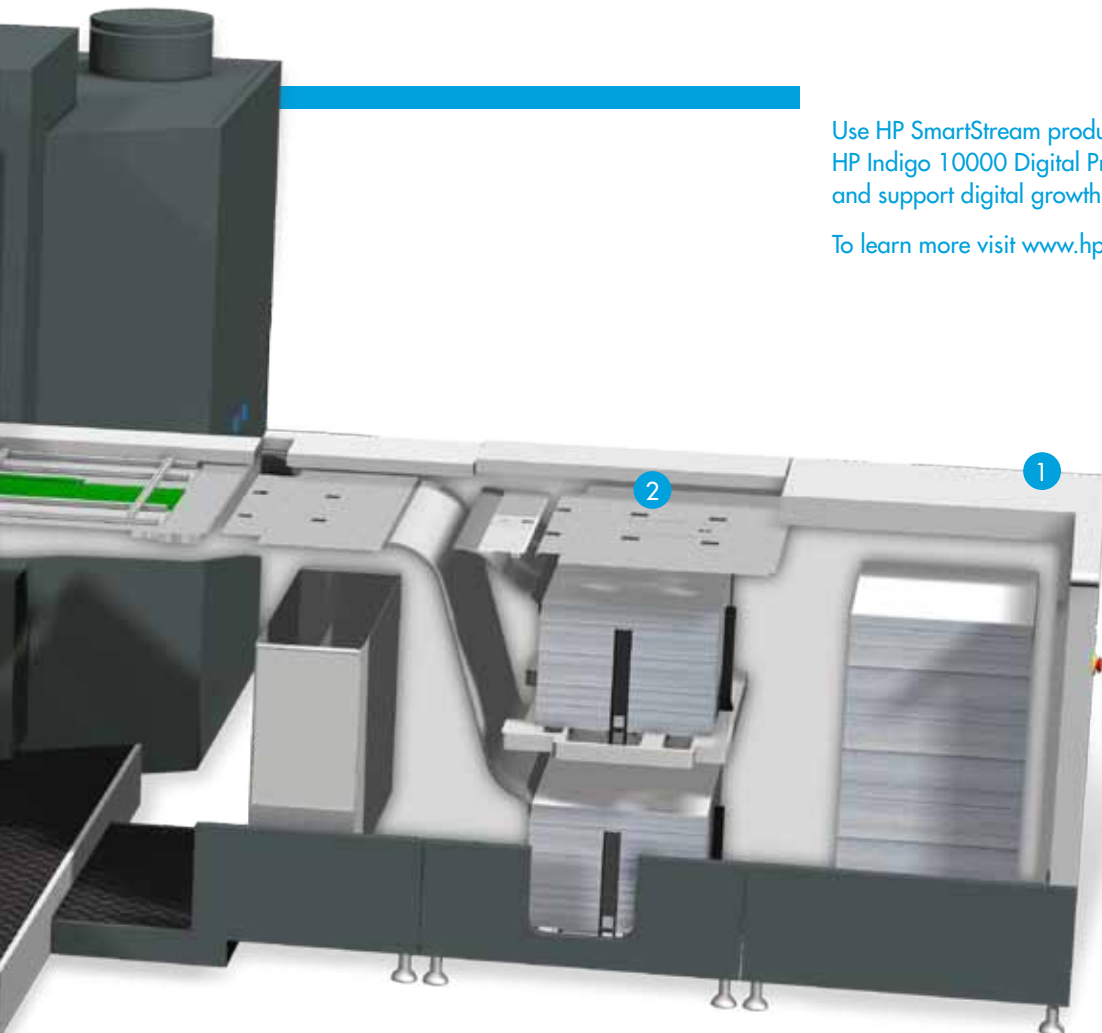
End-to-end workflow including digital finishing. Both the press and its workflow are designed to produce any application end-to-end.

- **Powerful DFE**—HP Indigo SmartStream Production Pro 5.0 is specifically designed to support 29 inch imposition and high-volume production of large quantities of jobs, including variable data.
- **Open JDF workflow architecture**—Supports both upstream and downstream JDF connectivity, including inline and near line finishing. Enables integration with third-party production systems through Software Development Kits (SDKs) and leverages HP SmartStream products including Production Center and Production Analyzer.
- **Inline and near line finishing**—Digital inline and near line finishing devices with automatic setup, instant make-ready, and automated error recovery leverage digital capabilities to achieve higher levels of productivity. Solutions include the Horizon Smart Stacker and MBO signature folder.



Use HP SmartStream products and partner solutions with the HP Indigo 10000 Digital Press to improve production efficiency and support digital growth.

To learn more visit www.hp.com/go/smartstream



1. Palette feeder
2. Two drawer feeder
3. High-speed laser writing head
4. Charge roller
5. Photo Imaging Plate (PIP)
6. PIP Automatic Replacement System (PARS)
7. Binary Ink Developers (BIDs)
8. Blanket
9. Blanket Automatic Replacement System (BARS)
10. Impression cylinder
11. Registration cameras
12. Perfector
13. Vision System & Spectrophotometer
14. Operator platform
15. Stacker
16. Proof tray
17. Ink cabinet

Technical specifications

Printing speed	3450 sheets per hour 4/0; 4600 sheets per hour in EPM 1725 sheets per hour 4/4; 6900 sheets per hour 1/0 and 2/0
Image resolution	812 dpi at 8 bit, addressability: 2438 x 2438 dpi HDI (High Definition Imaging)
Line screens	175, 180, 180m
Sheet size	29.5 x 20.9 in maximum
Image size	29.1 x 20.1 in maximum
Paper weight*	Coated and uncoated media: 45 lb text to 150 lb cover; Thickness 3-18 pt
Feeder	Palette feeder 33.4 in of media. Drawer feeder: Two drawers, each with 11.8 in of media.
Stacker	Main stacking tray with 33.4 in stack height supporting offset jogging
Print server (DFE)	HP SmartStream Production Pro Print Server
Press dimensions	Length: 320 in; Width: 185 in; Height: 94 in
Press weight	24,250 lb
HP Indigo ElectroInks	
Standard 4-color printing	Cyan, magenta, yellow, and black
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	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	5, 6 or 7 ink stations; HP IndiChrome Ink Mixing system
Operator workstation	Proof jobs, control the press, DFE remote station
Double ink station	Enables higher volumes of ink for a single station
Additional feeder	One additional feeder with two drawers of 11.8 in of media each
Additional stacker	One additional stacker with 33.4 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.



Please scan this QR code to
learn more about the
HP Indigo 10000 Digital Press.

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