

HP Indigo 10000 Digital Press

A 29 inch format Indigo press



Break digital barriers and grow your business

The 29 inch format HP Indigo 10000 Digital Press produces virtually 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.

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.

High productivity

Printing 3450 full size 29 inch sheets per hour (4/0) or 4600 sheets per hour using 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 digital breakeven point vs. offset to new heights. 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 2800 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.

Easy fit for offset printers

The 29 inch format facilitates quick ramp up and easy integration for offset printers. 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.



Imposition efficiency. Print 5.83 x 8.27 inch event flyers 10 up on a 29 inch sheet.

A 29 inch digital press for any commercial application

Leading print quality and color

Like all HP Indigo presses, the HP Indigo 10000 Digital Press delivers offset-matching quality.

High image 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.

Color flexibility. Up to 7 ink stations for the extended color gamut, including HP Indigo ElectroInk White and special colors.

Pantone on press. 4, 6, or 7 process colors for vivid printing and optimal on-press Pantone emulations.

Accurate spot colors. True spot colors can be mixed off press for outstanding Pantone-approved solids. Covering up to 97% of the PANTONE® color range, the HP IndiChrome Ink Mixing System (IMS) uses CMYK as well as orange, violet, green, reflex blue, rhodamine red, bright yellow, and transparent.

Quality Automation Suite. This embedded system makes it easy to achieve the highest possible Indigo 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 the spectrophotometer calibrates color automatically.

High productivity, high usability

Extensive automation enables high press uptime and productivity, freeing operators from routine tasks.

HP Indigo Worldwide Services— Driving your production excellence

A comprehensive system of tools, knowledge and support ensures you are able to print what you need, when you need it, at the highest level of efficiency and Indigo print quality. Our certified service teams are committed to meeting your end-to-end needs for accelerated ramp-up, increased system utilisation and maximum uptime.

Learn more at hp.com/go/indigoservice



Automated consumable replacement. The Photo Imaging Plate (PIP) is changed by an automated system freeing operators to do other tasks and increasing press uptime.

Intuitive on-press software. Operators enjoy ease of use with 3D navigations, helpful drill downs, and multi-touch gestures.

Large volume supplies. 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, the press enables 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. Maximize productivity and uptime with a fast diagnostic process and step-by-step guidance for problem solving, independently or through remote support.

Designed for the environment. The press is designed for environmental sustainability and features energy efficiency techniques.

End-to-end workflow

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

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.

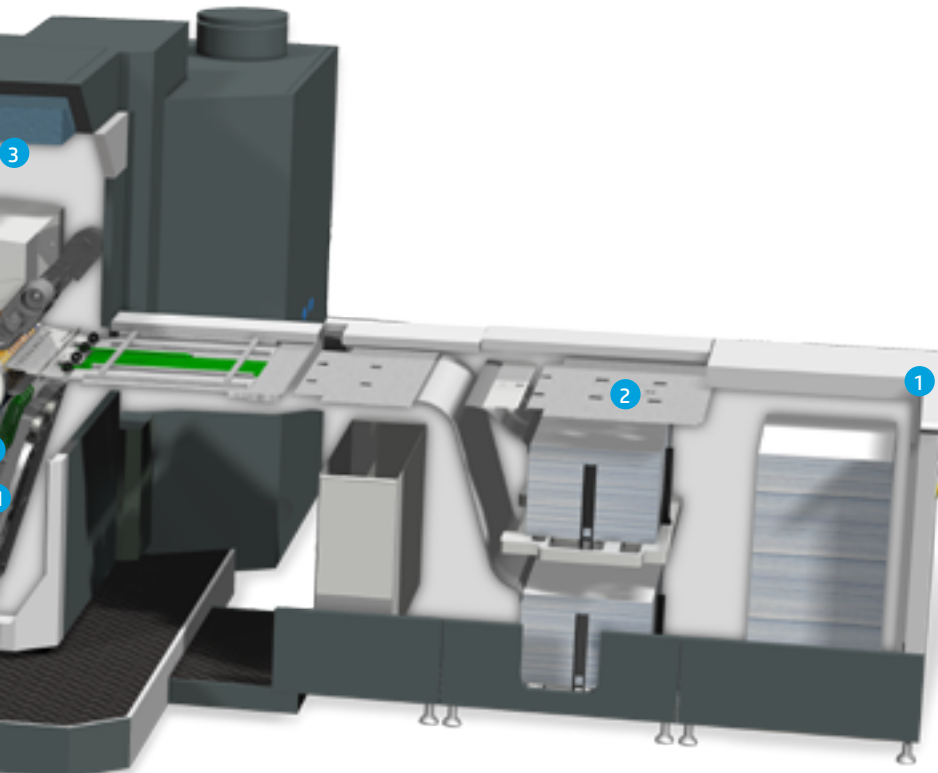


Direct mail. Large-sized poster pieces



New marketing collateral possibilities. Pocket folders and 6-page folded brochures.

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 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. Impression cylinder
10. Registration cameras
11. Perfector
12. Vision System & Spectrophotometer
13. Operator platform
14. Stacker
15. Proof tray
16. 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, 180minK lpi
Sheet size	Maximum sheet size: 29.5 x 20.8125 in. (In-house cutting: 29.527 x 20.866 in) Minimum sheet size: 20.1 x 11.7 in for simplex; 20.1 x 13 in for duplex.
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 servers (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
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.

** Availability in 2014.



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