

# HP Indigo 10000 Digital Press

A 75 cm format Indigo press



## Break digital barriers and grow your business

The 75 cm 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 75 cm 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 colour gamut using up to 7 ink stations on the press.

### High productivity

Printing 3450 full size 75 cm sheets per hour (4/0) or 4600 sheets per hour using Enhanced Productivity Mode (EPM), the press is capable of producing over two million colour sheets per month. The 75 cm 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 70 gsm to 400 gsm and 75 to 450 microns in thickness—including coated, uncoated, and coloured papers, and paperboard for folding cartons.

### Easy fit for offset printers

The 75 cm 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 A5 event flyers 10-up on a B2 sheet.

# A 75 cm digital press for any commercial application

## Leading print quality and colour

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.

**Colour flexibility.** Up to 7 ink stations for the extended colour gamut, including HP Indigo ElectroInk White and special colours.

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

**Accurate spot colours.** True spot colours can be mixed off press for outstanding Pantone-approved solids. Covering up to 97% of the PANTONE® colour range, the HP IndiChrome Ink Mixing Service 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 colour plane registration (CPR); a Vision System performs automatic hands-free press calibrations and validates uniformity; and the spectrophotometer calibrates colour automatically.

## High productivity, high usability

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

**Automated consumable replacement.** The Photo Imaging Plate (PIP) is changed by an automated system, freeing the operator to do other tasks and boosting 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 minimising the number of replacements required by the operator.

**Robust paper handling system.** Designed for 75 cm 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.** Maximise 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 Print Server is specifically designed to support 75 cm 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

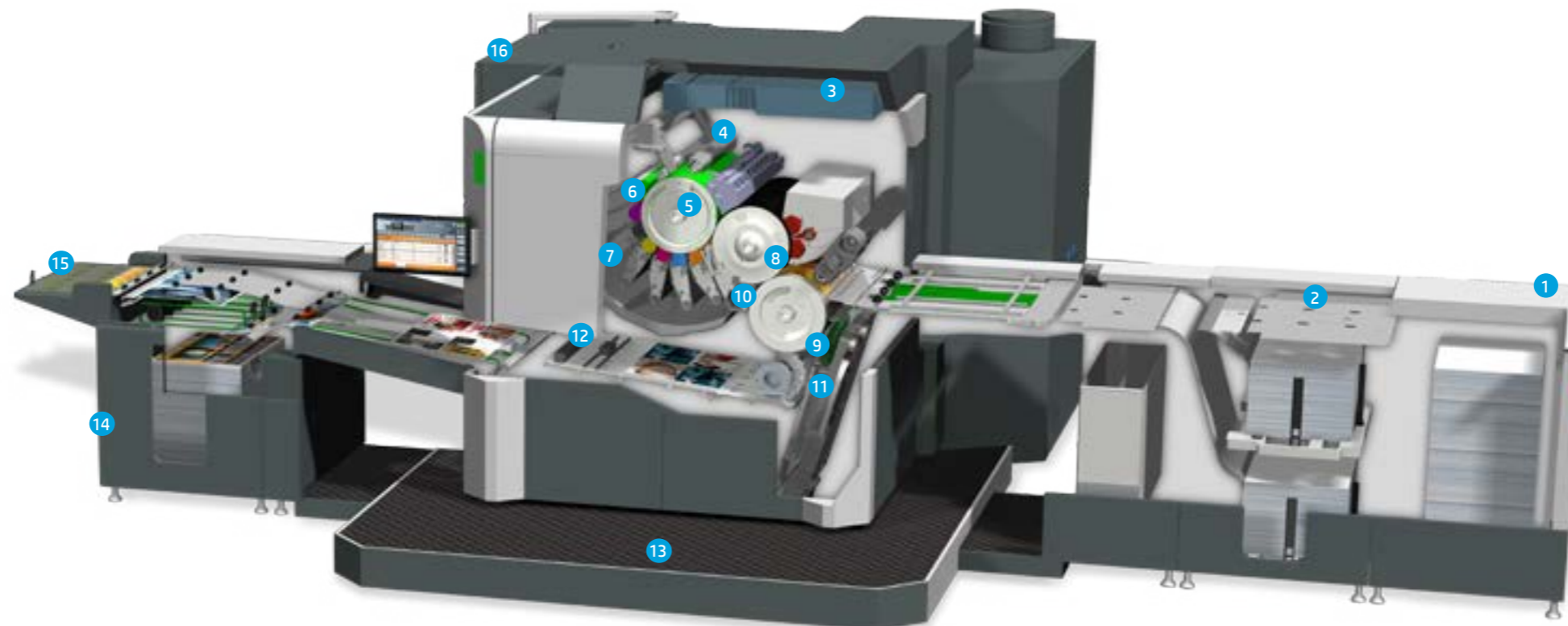


**New marketing collateral possibilities.** Pocket folders and 6-page folded brochures.

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](http://hp.com/go/smartstream)

### 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.



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. Perforator
12. Vision System & Spectrophotometer
13. Operator platform
14. Stacker
15. Proof tray
16. Ink cabinet

## Technical specifications

<b>Printing speed</b>	3450 sheets per hour 4/0; 4600 sheets per hour in EPM 1725 sheets per hour 4/4; 4600 sheets per hour 1/0 and 2/0
<b>Image resolution</b>	812 dpi at 8 bit, addressability: 2438 x 2438 dpi HDI (High Definition Imaging)
<b>Line screens</b>	175, 180, 180m, 180EPM, HMF 200 lpi
<b>Sheet size</b>	Maximum sheet size: 750 x 530 mm Minimum sheet size: 510 x 297 mm for simplex; 510 x 330 mm for duplex.
<b>Image size</b>	740 x 510 mm maximum
<b>Paper weight*</b>	Uncoated media: 70 gsm to 400 gsm. Coated media: 90 gsm to 400 gsm: Thickness 75 to 450 microns
<b>Feeder</b>	Palette feeder 850 mm of media. Drawer feeder: Two drawers, each with 300 mm of media.
<b>Stacker</b>	Main stacking tray with 850 mm stack height supporting offset jogging
<b>Print servers (DFE)</b>	HP SmartStream Production Pro Print Server
<b>Press dimensions</b>	Length: 8000 mm; Width: 4700 mm; Height: 2400 mm
<b>Press weight</b>	11,000 kg
<b>HP Indigo ElectroInks</b>	
<b>Standard 4-colour printing</b>	Cyan, magenta, yellow, and black
<b>HP IndiChrome 6-colour printing</b>	Cyan, magenta, yellow, black, orange, and violet
<b>HP IndiChrome Plus 7-colour printing</b>	Cyan, magenta, yellow, black, orange, violet, and green
<b>Special effect inks</b>	White, light cyan, light magenta
<b>HP IndiChrome off-press spot inks</b>	HP IndiChrome Ink Mixing Service for spot colour creation using CMYK as well as orange, violet, green, reflex blue, rhodamine red, bright yellow, and transparent
<b>PANTONE® colours</b>	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 for achieving up to 97% of the PANTONE® colour range
<b>Options</b>	
<b>Print server (DFE)</b>	HP SmartStream Ultra Print Server
<b>Expanded colour capabilities</b>	5, 6 or 7 ink stations
<b>Operator Control Station</b>	Proof jobs, control the press, DFE remote station

\*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.



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