

# HP Indigo 5600 Digital Press



A versatile press with leading digital offset quality for the growing commercial business



The HP Indigo 5600 Digital Press delivers unmatched digital offset and photo quality with high versatility and productivity. Seamlessly switching between jobs and media types—with a new added ability to print on synthetics—the press is ideal for PSPs with a diverse job mix.

Capable of printing well over two million color pages or five million monochrome pages per month, the press is the leading choice for medium volume printers.

Using the Enhanced Productivity Mode (EPM), the press can print color jobs at a speed of 90 pages per minute. It also reaches a monochrome speed of 272 ppm. Multiple drawers enable continuous printing, reducing operator intervention and increasing uptime.

**The leader in print quality and color.** Enabled by HP Indigo's liquid ElectroInk technology and unique digital offset process, HP Indigo prints are of the highest quality, matching or even exceeding offset, allowing them to be used interchangeably.

- Up to 7 on-press ink stations enable use of HP Indigo's wide digital color gamut, including special effect inks

- 4, 6 or 7 process colors for vivid printing and accurate on-press Pantone emulations
- True spot colors, mixed off press, for perfect Pantone-certified solids

**Widest media range.** Compatible with more than 2500 certified substrates—the widest choice in the industry—the press prints on a range of uncoated and coated papers as well as on unique substrates such as synthetics, dark, transparent, metallic, and recycled media, and paperboard for folding cartons.

**Print on synthetics.** The press supports high-value specialty applications printed on synthetics using HP Indigo's unique One Shot Color printing mode.

**Security printing.** HP Indigo ElectroInk UV Red creates print that is only visible under UV light. This is valuable for high-security plastic cards and adding anti-counterfeiting features.

**Field upgradeability.** The press is built on the successful platform of the HP Indigo press 5500. Most of the innovations in the press are available as upgrade options for the HP Indigo press 5500, securing existing investment.

To learn more, visit [www.hp.com/go/graphic-arts](http://www.hp.com/go/graphic-arts) or [www.hp.com/go/myhpindigoweb](http://www.hp.com/go/myhpindigoweb)



# HP Indigo 5600 Digital Press

A digital solution with highly versatile printing abilities

**HP Indigo value.** The HP Indigo 5600 Digital Press is built on a proven platform that delivers consistently high quality and productivity.

- The latest model in the HP Indigo press series 5000 with more than 2400 presses in operation.
- HP Indigo printing is fully interchangeable with offset. HP Indigo ElectroInk enables high quality, wide and accurate color gamut, and sharp images, similar to and at times surpassing conventional offset printing.
- High color accuracy and consistency between sheets and jobs, day-to-day, and press-to-press.
- Low cost and high productivity for jobs with fewer than 4 colors.
- Built to last—cast metal frames and parts ensure reliability for many years and the ability to produce tens of millions of pages.

**High-value specialty jobs.** Capture high-value jobs on specialty applications that diversify business.

- High-quality printing on synthetics at full press speed using HP Indigo's One Shot Color technology. All color separations are accumulated on the blanket and transferred to the substrate in a single pass, ensuring perfect color registration.
- Print easily on a wide range of synthetics, including PVC, PET, Teslin®, and PC.
- Address the card market by offering ID cards, membership cards, and gift cards.
- Use invisible ink to produce high-security ID cards, including drivers' licenses and voting cards; add anti-counterfeiting features for high-value coupons and tickets; or issue invisible barcodes for in-house processing and control.



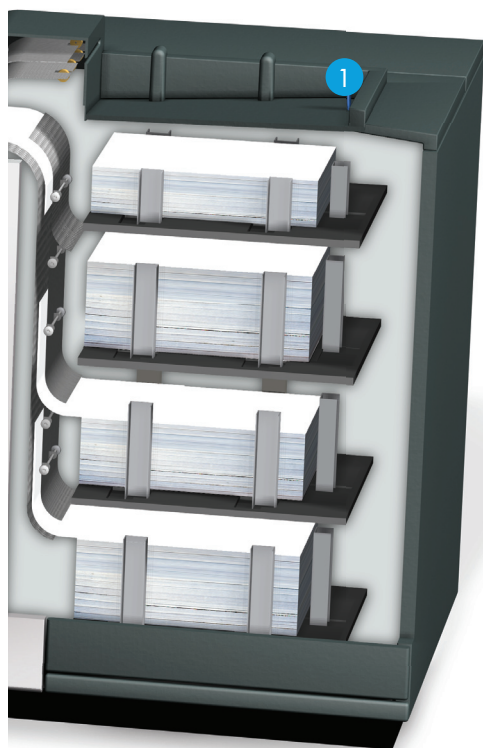
**Wide substrate flexibility.** The press opens opportunities for high-value applications on unique media, extending product range with new and creative offerings.

- New sensor technology enables printing on dark and transparent substrates, eliminating the need for backing paper during printing on transparencies.
- New substrates showcase HP Indigo ElectroInk White and deliver black-on-white high-value invitations, greeting cards, photo albums, and more.
- Print on transparent substrates, and produce transparent business cards, greeting cards, and clear overlays.



Use HP SmartStream products and partner solutions with the HP Indigo 5600 Digital Press to improve production efficiency and support digital growth.

To learn more visit [www.hp.com/go/smartstream](http://www.hp.com/go/smartstream).



1. Feeder
2. High-speed laser writing head
3. Scorotron charging units
4. Photo Imaging Plate (PIP)
5. Binary Ink Developers (BIDs)
6. Blanket
7. Impression cylinder
8. Perfector
9. Ink cabinet
10. Proof tray
11. Stacker
12. Imaging Oil Recycling System

## Technical specifications

Printing speed	68 four-color 8.5 x 11 in pages per minute (two-up); 90 color 8.5 x 11 in pages per minute in EPM (two-up); 136 two-color 8.5 x 11 in pages per minute (two-up); 272 full monochrome 8.5 x 11 in pages per minute (two-up)
Image resolution	812 and 1219 dpi at 8 bit, addressability: 2438 X 2438 dpi HDI (High Definition Imaging)
Line screens	144, 160, 175, 180, 210, 230 lpi
Sheet size	13 x 19 in maximum
Image size	12.48 x 17.7 in maximum
Paper weight*	Coated: 55 lb text to 130 lb cover; Uncoated: 40 lb text to 120 lb cover Thickness: 3 to 16 pt. Up to 18 pt. with optional thick substrate kit.
Feeder	Four drawers: Three drawers with 7 in depth each (1800 sheets of 80 lb text each) One special jobs drawer: 2.5 in (700 sheets of 80 lb text) A total of 6100 sheets of 80 lb text. All drawers support the full range of substrates.
Stacker	Main stacking tray with 23.6 in stack height, supporting offset jogging (6100 sheets of 80 lb text) Proof tray with 2.36 in stack height (600 sheets of 80 lb text)
Print server (DFE)	HP SmartStream Onboard Print Server
Press dimensions	Width: 155.5 in; Height: 81.7 in; Depth: 89.8 in
Press weight	5900 lb
<b>HP Indigo ElectroInks</b>	
Standard 4-color printing	Cyan, magenta, yellow, and black
HP IndiChrome 6-color on-press printing	Cyan, magenta, yellow, black, orange, and violet
HP IndiChrome Plus 7-color on-press printing	Cyan, magenta, yellow, black, orange, violet, and green
Special effect inks	UV red, light cyan, light magenta, white, digital matte
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.
<b>Options</b>	
Expanded color capabilities	5, 6, or 7 on-press ink stations; HP IndiChrome Ink Mixing System
White ink kit	Enables use of white ink
Thick substrate kit	Supports paperboards up to 18 pt
One Shot process kit	Enables printing on synthetics using HP Indigo One Shot Color technology
Print servers (DFEs)	HP SmartStream Production Pro Print Server; HP SmartStream Ultra Print Server; HP SmartStream Labels and Packaging Print Server, Powered by Esko
Additional feeder	One additional feeder with three drawers, each with 7 in of media
Additional stacker	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.



### North America

Hewlett-Packard Company  
5555 Windward Pkwy  
Alpharetta, GA 30004  
USA

Tel: +1 800 289 5986

### Europe, Middle East, and Africa

Hewlett-Packard Española S.L  
Cami de Can Graells, 1 – 21  
08174 Sant Cugat del Valles  
Barcelona  
Spain

Tel: +34 902 027 020

Fax: +34 935 82 1 400

### Asia Pacific

Hewlett-Packard Company  
138 Depot Road  
Singapore 109683  
Tel: +65 6727 0777  
Fax: +65 6276 3160

### Latin America

Hewlett-Packard Company  
5200 Blue Lagoon Drive  
Suite 950  
Miami, FL 33126  
USA

Tel: +305 267 4220

Fax: +305 265 5550

informahpindigo@hp.com

### Israel

Hewlett-Packard Company  
Kiryat Weizmann  
P.O. Box 150  
Rehovot 76101  
Israel

Tel: +972 8 938 1818

Fax: +972 8 938 1338

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