HP Indigo 5600 Digital Press

A highly versatile sheetfed press with leading digital offset quality

Grow and diversify with a wide range of applications

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

High productivity

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 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. They match or even exceed 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 optimal on-press Pantone emulations
• True spot colors, mixed off press, for outstanding Pantone-approved solids

Widest media range

Supporting the widest range of media in digital production, the press is compatible with more than 2800 certified substrates including uncoated and coated papers, as well as unique substrates such as synthetics, dark, transparent, metallic, and recycled media, and paperboard for folding cartons. Print on thick substrates up to 18 pt, and ultra thick synthetics up to 24 pt.
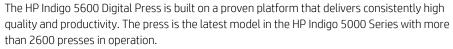
Print on synthetics

The press supports high-value plastic card and specialty applications printed on synthetics using HP Indigo's unique One Shot Color printing, which ensures perfect registration.

Invisible print

HP Indigo ElectroInk Invisible Red produces print that is only visible under UV light to create text, images, and barcodes for cards, tickets, coupons, and in-house processing and control.

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 press is the latest model in the HP Indigo 5000 Series with more than 2600 presses in operation.

Job consistency. High color accuracy and consistency between sheets and jobs, day-to-day, and press-to-press.

Technology flexibility. Lower cost and higher productivity for jobs with fewer than 4 colors.

High durability. Cast metal frames and parts ensure reliability for many years. Dozens of customers have printed more than 120 million impressions each on an HP Indigo 5000 Series Digital Press.

Keeping you up to date. Most of the HP Indigo 5600 Digital Press innovations are available as upgrade options for the HP Indigo press 5500, securing existing investment.

Wide substrate flexibility

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

One Shot Color technology. High-quality printing on synthetics at full press speed is made possible 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, producing perfect registration even on the most heat-sensitive materials. The One Shot Color kit option enables easy printing on a wide range of synthetics, including PVC, PET, BOPP, and PC.

Ultra thick substrate option. Enables printing on opaque PVC materials up to 24 pt, opening new applications for mono-core plastic cards and more. Option saves time to market, significantly lowers energy costs with lower temperature, and cuts labor costs.

Dark and transparent substrates. New sensor technology enables printing on dark and transparent substrates, eliminating the need for backing paper when printing on transparencies. Print on transparent substrates, and produce high-impact transparent business cards, greeting cards, and clear overlays.

Sandwich printing. Use HP Indigo's extended ink stations and white ink to produce high-impact applications on clear substrates with multiple hits of white and up to 16 layers.

High-value specialty jobs

Capture high-value jobs in specialty applications to grow and diversify business. Offer new items to your customers with customization and personalization.

Plastic cards. Launch into new business and address the card market by offering ID cards, credit cards, membership cards, gift cards, business cards, and more.

Specialty products. Expand application range by offering lenticular products, placemats, mouse pads, business cards, and more.

Industrial labels. Offer an alternative to silk screen printing for manufacturers of industrial products, including panels, labels, and clothing tags,

White ink. White ink on dark and transparent substrates produces high-value, high-impact commercial applications of all kinds—available only on digital presses from HP Indigo. Print on new substrates and deliver white-on-black high-value invitations, greeting cards, photo albums, and more.

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 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 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.
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	Length: 155.5 in; Width: 89.8 in; Height: 81.7 in
Press weight	5900 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	Invisible 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.
Options	
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
Ultra thick substrate kit	Enables printing on opaque PVC materials up to 24 pt.
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.

PANTONE
Digital Color

Intertek **Independently verified for environmental credentials**

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