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 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.

Capable of printing well over two million colour 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 colour 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 colour. 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 colour gamut, including special effect inks

- 4, 6 or 7 process colours for vivid printing and optimal on-press Pantone emulations
- True spot colours, mixed off press, for outstanding Pantone-approved 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 Colour 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.

Sustainability. Make business more environmentally responsible with HP Indigo's digital, on-demand technology. The HP Indigo 5600 Digital Press is certified with Intertek's Green Leaf Mark.

To learn more, visit www.hp.com/go/graphic-arts or www.hp.com/go/hpindigo5600

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 press is the latest model in the HP Indigo press 5000 series with more than 2400 presses in operation.
- Most of the HP Indigo 5600 Digital Press innovations are available as upgrade options for the HP Indigo press 5500, securing existing investment.
- High colour 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 colours.
- 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 in specialty applications that diversify business.

- High-quality printing on synthetics at full press speed using HP Indigo's One Shot Colour technology. All colour separations are accumulated on the blanket and transferred to the substrate in a single pass, ensuring perfect colour 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' licences 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 white-on-black high-value invitations, greeting cards, photo albums, and more.
- Print on transparent substrates, and produce high-impact 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

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-colour A4 pages per minute (two-up); 90 colour A4 pages per minute in EPM (two-up); 136 two-colour A4 pages per minute (two-up); 272 full monochrome A4 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	330 x 482 mm maximum
Image size	317 x 450 mm maximum
Paper weight*	Coated: 80 to 350 gsm; Uncoated: 60 to 320 gsm Thickness: 70 to 400 microns
Feeder	Four drawers: Three drawers with 180 mm depth each (1800 sheets of 120 gsm each) One special jobs drawer: 70 mm (700 sheets of 120 gsm) A total of 6100 sheets of 120 gsm. All drawers support the full range of substrates.
Stacker	Main stacking tray with 600 mm stack height, supporting offset jogging (6100 sheets of 120 gsm) Proof tray with 60 mm stack height (600 sheets of 120 gsm)
Print server (DFE)	HP SmartStream Onboard Print Server
Press dimensions	Length: 3952 mm; Width: 2282 mm; Height: 2074 mm
Press weight	2700 kg

HP Indigo ElectroInks

Standard 4-colour printing	Cyan, magenta, yellow, and black
HP IndiChrome 6-colour printing	Cyan, magenta, yellow, black, orange, and violet
HP IndiChrome Plus 7-colour 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 colour creation using CMYK as well as orange, violet, green, reflex blue, rhodamine red, bright yellow, and transparent.
PANTONE® colours	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® colour range.

Options

Expanded colour 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 400 gsm/460 microns
One Shot process kit	Enables printing on synthetics using HP Indigo One Shot Colour 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 180 mm of media.
Additional stacker	One additional stacker with 600 mm 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

Independently verified for
Intertek environmental credentials

Please scan this QR code to
learn more about the
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