HP Indigo 3550 Digital Press

An entry-level offset-matching digital sheetfed press

HP

Launch into digital printing services at a low initial investment

The HP Indigo 3550 Digital Press offers HP Indigo's offset-matching print quality and versatility at a low initial investment, making it the ideal solution for launching digital production. The press delivers a wide application range, with solid productivity and an ability to print with true spot inks for corporate brand colour matching.

Maximise production flexibility

The HP Indigo 3550 Digital Press integrates easily within existing environments, complementing conventional printing and expanding service options with on-demand delivery that requires no minimum. It produces 68 pages per minute in full colour and 136 ppm in 2 colours or monochrome, regardless of media type. Using Enhanced Productivity Mode (EPM), the press can also print colour jobs 33% faster at 90 ppm.

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. The HP Indigo 3550 Digital Press provides:

- Up to 5 ink stations, allowing use of spot colours
- ElectroInk and the Indigo process, delivering a very thin ink layer for uniform gloss between ink and substrate
- True spot colours, mixed off press, for outstanding Pantone-approved solids

Fast return on investment

An attractively priced solution to get started in digital printing, HP Indigo 3550 Digital Press owners enjoy low operating costs, reliability, and flexible pricing plans.

Wide substrate range

The press supports the widest in-class substrate range, including coated, uncoated, specialty media, and thick substrates up to 400 microns.

Enhancement package

An optional enhancement package provides high-speed monochrome printing and larger image size. This increases printing speed capabilities to 272 monochrome A4 pages per minute (1/0) and image size up to 317 x 450 mm.

Entry-level press with HP Indigo's high print quality

High print quality with colour flexibility

Producing high-quality jobs that satisfy branding requirements, the press enables PSPs to meet the tightest deadlines and offer clients cost-effective, on-demand runs.

Accurate spot colours. PANTONE-licensed HP IndiChrome Ink Mixing System off-press for achieving up to 97% of the PANTONE® colour range using CMYK as well as orange, violet, rhodamine red, green, reflex blue, bright yellow, and transparent.

Pantone on-press. HP Professional Pantone Emulation Technology using CMYK on-press.

High consistency. High colour accuracy and consistency between sheets and jobs, and day-to-day.

Easy operation and maintenance

Designed for easy operation and maintenance, the press makes it easy to start offering digital printing services.

Continuous printing. Load/unload while printing, proof while printing.

Feed multiple substrate types. Two drawers enable continuous feeding, including of multiple substrates.

Fast colour changeovers. Easy "on-the-fly" spot colour replacement system.

Easy paper handling. Adjustment-free, minimum-touch paper handling.

Built-in print server. Easy-to-use HP SmartStream Onboard Print Server.

High uptime. HP Indigo Print Care helps maintain high uptime with remote or self-guided troubleshooting.
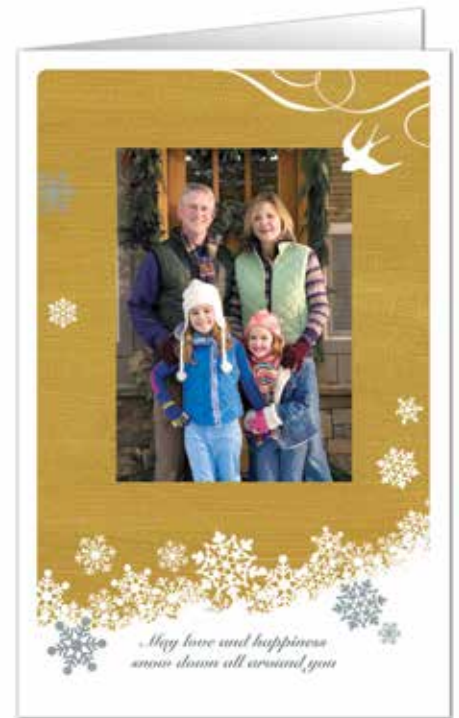
Sustainability

Lower your carbon footprint by shifting production from conventional processes to digital, on-demand technology, and pass on these benefits to customers.

No make-ready. Cut waste from the production process and the supply chain.

Reduce industrial byproducts. Oil Recycling System allows less oil consumption and reduces waste disposal costs.

Takeback programme. A recycling and takeback programme as part of HP Indigo's environmental responsibility helps reduce environmental impact (may vary by countries).

Eco-friendly substrates. The HP Indigo 3550 Digital Press supports many recycled and eco-certified papers.

Use HP SmartStream products and partner solutions with the HP Indigo 3550 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

Technical specifications

Printing speed	68 four-colour A4 pages per minute (two-up); 136 two-colour 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, 230 lpi
Sheet size	330 x 482 mm maximum
Image size	308 x 450 mm maximum
Paper weight*	Coated: 80 gsm to 350 gsm; Uncoated: 60 gsm to 320 gsm; Thickness: 70 to 400 microns
Feeder	Two drawers with 180 mm depth each (1800 sheets of 120 gsm) A total of 3600 sheets of 120 gsm Both paper 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	2610 kg
HP Indigo ElectroInks	
Standard 4-colour printing	Cyan, magenta, yellow, and black
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 off-press (IMS) for achieving up to 97% of the PANTONE® colour range
Options	
Expanded colour capabilities	5th ink station HP IndiChrome Ink Mixing System
Enhanced Productivity Mode (EPM)	Increases printing speed to 90 ppm using 3 colours
Enhancement package	Increases printing speed to 272 monochrome A4 pages per minute and larger image size of 317 x 450 mm

*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

Learn more at
hp.com/go/indigo

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