



HP Indigo 7000 Digital Press

Overview

The HP Indigo 7000 Digital Press delivers fast production speeds of 120 high-quality four-color A4-size pages per minute, offering print service providers (PSPs) engaged in general commercial, direct-marketing, photo merchandise, and book and publications printing a versatile, one-of-a-kind digital solution. It is optimized to print large numbers of static jobs with run lengths ranging from one copy into the thousands, as well as variable-data work requiring the “every page is different” capabilities of digital.

Designed to produce up to 3.5 million four-color pages per month, or 5 million one- and two-color pages per month, with true offset and photo quality, the HP Indigo 7000 is targeted at customers with average monthly volumes in excess of 1 million pages. The press complements the HP Indigo press 5500, which is aimed at customers with volumes in the range of 300,000 to 1 million pages. The HP Indigo 7000 offers low total cost of ownership for customers exceeding the 1 million page level, significantly increasing the breakeven point against offset.⁽¹⁾

The HP Indigo 7000 achieves the same high print quality as the successful HP Indigo press 5500. The press offers up to 7-color printing, providing the widest digital color gamut with 4-, 6- or 7-color Pantone® emulation including Pantone Goe® and off-press mixing of true spot colors.

Customers can choose from three new print servers within the HP SmartStream family to drive the press via the new PrintLink protocol that separates the prepress tasks from printing. This allows press operators to concentrate on printing operations, maximizing press room productivity.

Designed for meeting even the tightest deadlines, the press is equipped with the HP Indigo Print Care toolset, which offers on-press and off-press diagnostics and troubleshooting tools to maximize uptime and facilitate continuous printing.

In regards to the environment, the HP Indigo 7000 Digital Press offers on-press oil recycling, lower electricity consumption per printed page, long consumables life resulting in reduced waste, the ability to print on recycled paper, the elimination of make-ready waste (as compared to conventional offset printing) and the ability to print the precise quantity required.

Key features and benefits

- Faster speeds of 120 A4 (letter-size) pages per minute (ppm) in four-color and 240 ppm monochrome or two-color
- Heavy-duty production of up to 800,000 four-color A4 (letter-size) images per month in one shift and 3.5 million four-color A4 (letter-size) running 24 x 7
- Lower-cost production enabling a higher break-even point with offset printing with run

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lengths in the thousands

- 317-mm x 464-mm (12.48-inch x 18.26-inch) image size for increased throughput, enabling production of four-up 6-inch x 9-inch books and postcards as well as covers for letter-size books with page counts greater than 500 pages (on 120 gsm/80 lb. text media)
- Robust, scalable HP SmartStream print server offering provides easy remote user interface capabilities, unique VDP attributes and expandable raster image processing (RIP) capacity⁽²⁾
- New, user-friendly graphical user interface for simplified operation
- Enhanced serviceability and increased uptime with on-press diagnostics and guided troubleshooting tools
- Support for a wide range of media, with no decrease in production speed
- On-press fast ink replacement feature for color changes on optional fifth, sixth and seventh colors with virtually no downtime

Specifications

- Printing speed: 7,200 four-color A4 (letter-size) images per hour (two-up); 14,400 two-color or monochrome A4 (letter-size) images per hour (two-up)
- Image quality and line screens: 812 and 1,200 dpi at 8-bit resolution, 2,400 x 2,400 addressability high-definition imaging; 144, 175, 180 and 230 line screens
- Media size: 330.2 x 482.6 mm (13 x 19 inches)
- Image size: 317 x 464 mm (12.48 x 18.26 inches)
- Media weight: Coated paper – 80-350 gsm (55 lb. text – 130 lb. cover); uncoated paper – 60-350 gsm (40 lb. text – 120 lb. cover)
- Media thickness: 70-400 microns (3 – 16 pt.)
- Media input system: three 1,800-sheet capacity trays; one 700-sheet capacity tray⁽³⁾
- Media output system: Automated perfecting, 6,000-sheet capacity delivery, 6,000-mm (23.6-inch) high stacker; 60-mm (2.4-inch) high proof tray; support for offset jogging⁽³⁾
- HP ElectroInks: standard four-color (CMYK) and HP IndiChrome on-press six-color (CMYKOV) process; custom-mixed spot and Pantone-licensed colors through HP IndiChrome off-press
- Print Server workflow: HP SmartStream Production Pro Print Server; HP SmartStream Production Plus Print Server, Powered by Creo; or HP SmartStream Ultra Print Server
- Supported formats and standards: Postscript 1, 2, 3; EPS; PDF1.7 including optimized PDF; PDF/x-1a: 2001, PDF/X-1a:2003, PDF /x-3:2002, PDF/X-3:2003; Tiff Version 6, CMYK/RGB, multi page tiff; JPEG; PPML / T; DCS 1 and 2; GIF; XPS; JLYT Including SNAP; BMP. Connection with HP SmartStream Production Plus Print Server adds support for PPML 2.2, VPS, Brisque CT/LW
- Electricity requirements: Input voltage – 3-phase. 400 VAC, +/- 6%, 3 x 63 Amp 5- /6- Hz; power consumption: 18 kw average during printing

Options

- Additional fifth, sixth and seventh color capabilities
- Additional feeder with 3 x 1,800-sheet capacity tray⁽³⁾
- Additional stacker with 6,000-sheet capacity⁽³⁾

Availability

The HP Indigo 7000 Digital Press is expected to be available worldwide in June.

⁽¹⁾ Compared to the HP Indigo press 5500.

⁽²⁾ The HP Indigo press 7000 requires one of three HP print servers for operation – the HP SmartStream Production Pro Print Server, the HP SmartStream Production Plus Print Server or the HP SmartStream Ultra Print Server.

⁽³⁾ Capacity specifications based on 120 gsm/80 lb. text media.

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