



HP Indigo 7000 Digital Press

Exceptional productivity and low total cost for high-volume printing, with unmatched offset quality



Progressive Profitable Printing



A breakthrough in high-volume digital production

The new HP Indigo 7000 Digital Press is the most technologically advanced sheetfed digital solution. It's a powerful engine for high-volume production of static jobs with run lengths ranging from one-of-a-kind pieces, up to thousands, as well as variable data print (VDP) campaigns targeted at hundreds of thousands of recipients.

As a print service provider, you've seen the trend in run lengths; they just continue to get shorter. Until now, you've had to use your offset press to handle the majority of these shorter runs—though it's clearly not the best use of offset technology.

The days of forcing your offset press to handle shorter runs are fast coming to an end.

The HP Indigo 7000 Digital Press is targeted at volumes of over one million color pages per month. With a powerful combination of offset quality, productivity, ease-of-use, and low total cost of ownership, the press generates 120 letter size pages per minute (ppm) in full color or 240 ppm in either monochrome or two colors. Over a month, you'll be able to produce up to 3.5 million color pages or 5 million monochrome or two-color pages.

A one-two punch—exceptional productivity and low operating costs

The HP Indigo 7000 Digital Press delivers a powerful combination of high productivity and low total cost of ownership—whether you're a commercial printer, photofinisher, book printer, direct mail house or digital service provider. It's a high-performance solution for either building a fleet of digital presses or for equipping a multi-site operation.

Maintaining high print volume per operator, the HP Indigo 7000 Digital Press can produce 800,000 4-color letter size pages a month in one shift and 3.5 million 4-color letter size pages running 24/7. You can also run other applications, such as 50,000 6 x 9 in personalized postcards in just 7.5 hours.

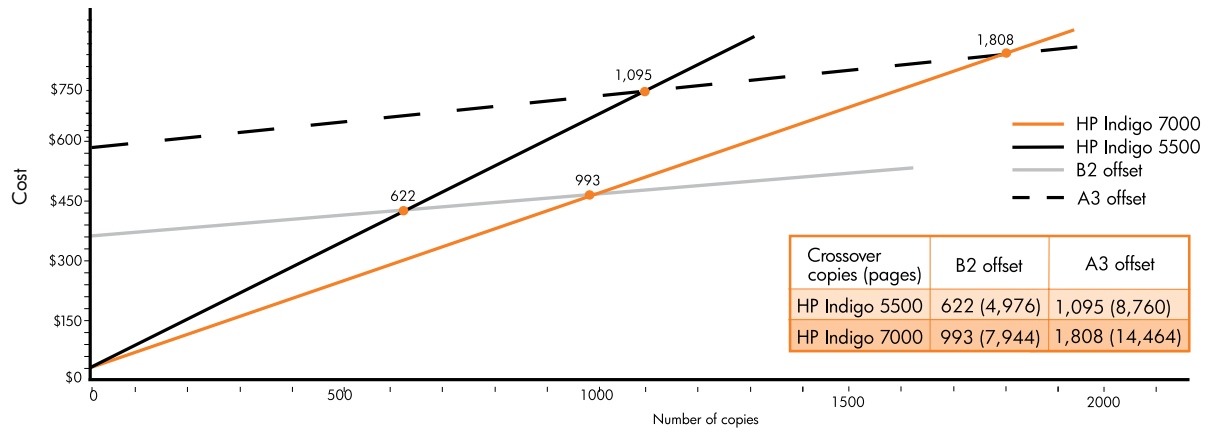
The HP Indigo 7000 Digital Press supports an image format of 12.48 x 18.26 inches, which gives you the ability to print four-up 6 x 9 inch postcards and books, 24-up business cards with bleed, or covers for books with over 500 80 lb text pages.

With an installed base of over 5000 digital presses worldwide, reliability and uptime are true hallmarks of the HP Indigo product family. Innovations in the HP Indigo 7000 Digital Press extend this proud tradition, such as:

- **A new intuitive, touchscreen interface.** Uses sophisticated user logic to provide simpler, more direct operator-to-press commands.
- **Automated operator tasks.** Eliminates or reduces many press interactions.
- **Larger on-board ink containers.** Triple the size of previous generation ink containers; the larger cans keep your press running uninterrupted for longer periods.
- **Faster system start-up.** A streamlined process permits more productive hours
- **On-press Fast Ink Replacement (OFIR).** Simple on-the-fly replacement of special/spot colors, OFIR technology dramatically reduces the time needed for swapping colors, thus improving the press productivity and making spot color jobs very simple to execute.

Crossover analysis: 8 page brochure - 4/4, Letter size, 115 lb. text

By virtue of its remarkable speed and productivity, the HP Indigo 7000 Digital Press pushes the economic break-even point with offset to the level of thousands of pages (estimated numbers – based on the HP Commercial Job Estimator tool).



Increase uptime with on-press and remote support

To help you meet even the tightest deadlines, HP increases press uptime with the innovative HP Indigo Print Care toolset. Assuring quick and accurate problem detection, as well as fast resolution, HP Indigo Print Care offers convenient on-press and remote diagnostics, guided troubleshooting, live video-sharing communications with remote support teams, and remote desktop sharing. HP Indigo Print Care also displays press status and statistical data for both the operator and production manager to help them monitor press activity.

Good news from the financial pages

By virtue of its remarkable speed and productivity, the HP Indigo 7000 Digital Press pushes the economic break-even point with offset to the level of thousands. That means you can transfer more jobs from offset to be economically printed on your HP Indigo digital press.

In addition to high revenue generation per operator, the press also features a favorable footprint-to-output ratio that minimizes the use of valuable floor space.

To complement cost effectiveness, the HP Indigo 7000 Digital Press supports a wide range of certified substrates, including coated, uncoated and specialty media. Automated Substrate adaptive Process Parameters technology extends the media gamut to support a selection of standard offset uncoated papers.

High speed writing head

812 dpi (8 Bit/pixel) at 775 Mpix/sec using a 22 beam laser

Photo Imaging Plate (PIP)

7 Binary Inking Developers (BID's)

Proof tray

Proof jobs without stopping ongoing work

Touchscreen user interface

Intuitive and easy to use

Inline densitometer (ILD)

Closed loop color adjust enables unmatched color consistency

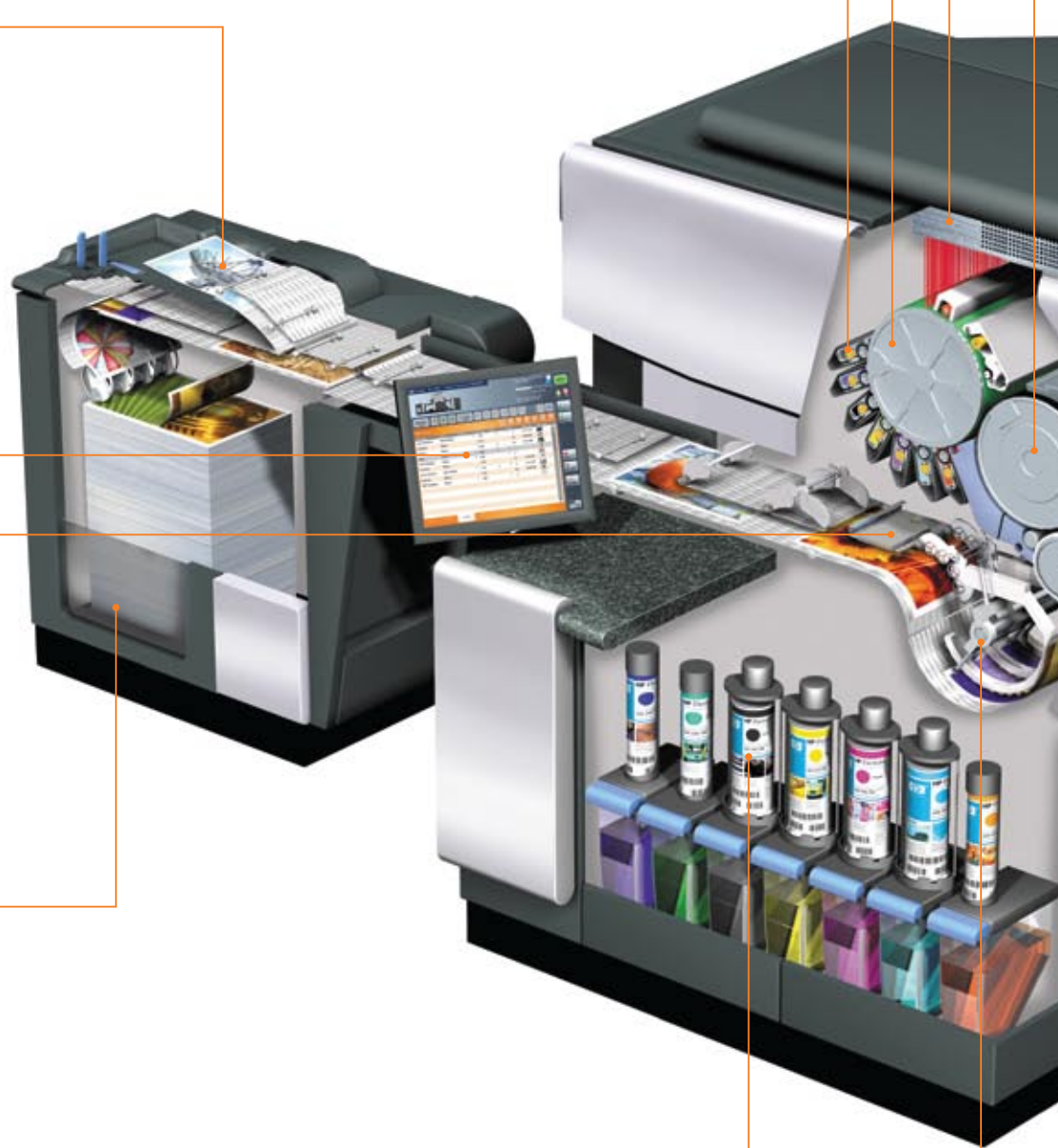
Paper stacker

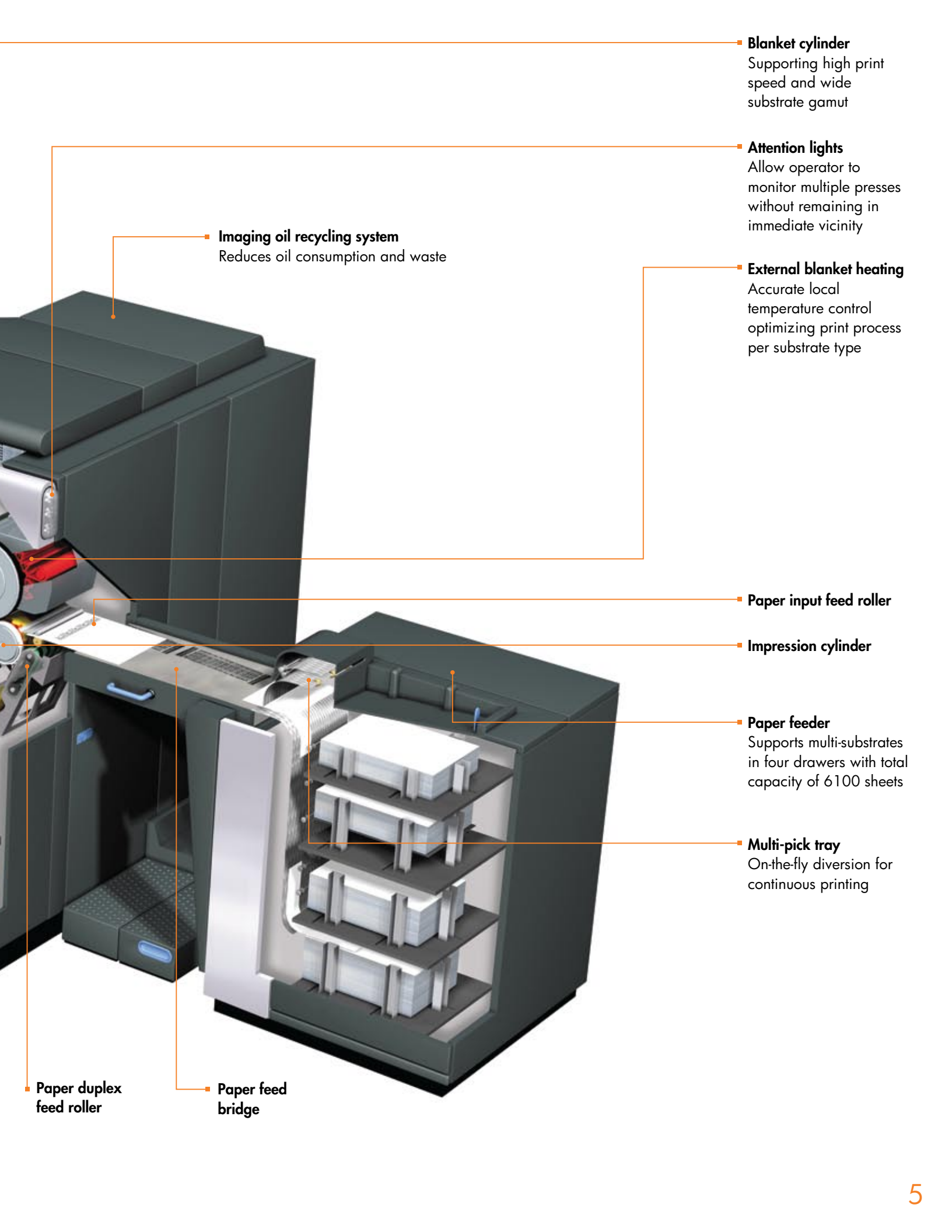
Supports a total of 6000 sheets

7-station color ink cabinet:

- 7 color stations, allow Pantone emulation of 4, 6, 7 process colors and spot colors printing
- On-the-fly On-press Fast Ink Replacement (OFIR) system for easy spot colors printing
- Enlarged ink cans for lower intervention

Perfection





▪ **Blanket cylinder**
Supporting high print speed and wide substrate gamut

▪ **Attention lights**
Allow operator to monitor multiple presses without remaining in immediate vicinity

▪ **External blanket heating**
Accurate local temperature control optimizing print process per substrate type

▪ **Imaging oil recycling system**
Reduces oil consumption and waste

▪ **Paper input feed roller**

▪ **Impression cylinder**

▪ **Paper feeder**
Supports multi-substrates in four drawers with total capacity of 6100 sheets

▪ **Multi-pick tray**
On-the-fly diversion for continuous printing

▪ **Paper duplex feed roller**

▪ **Paper feed bridge**



Make every piece stand out with outstanding offset and photo quality

Sharp images. Vivid colors. Gloss uniformity. With HP Indigo ElectroInk liquid ink, the HP Indigo 7000 Digital Press delivers it all, giving you the competitive advantage of unmatched, consistent, offset and true photo quality. The press offers up to 7-color printing, providing the widest digital color gamut with 4, 6, or 7 colors PANTONE® emulation including PANTONE® Goe™.

Color capabilities on the HP Indigo 7000 Digital Press include special spot colors, created easily through the HP Indigo Ink Mixing System. The exclusive HP Indigo offering gives you a consistent, accurate match for your customers' corporate branding and custom color requirements, matching up to 97% of PANTONE® colors. State-of-the-art color management tools with ICC profile support, GRACol® and Fogra certification plus print resolution up to 1219 dpi, combine to provide best-in-class color accuracy and consistency to meet your customers' high-quality standards.

Manage dynamic digital environments with easy-to-integrate, scalable workflows

The new HP SmartStream collection of workflow products and solutions are designed to fit your unique business environment. HP SmartStream combines HP products with industry leading workflow products that integrate to form powerful end-to-end workflow solutions.

With the HP Indigo 7000 Digital Press, you have a choice of three high-performance, scalable HP SmartStream Digital Front Ends (DFE). Allowing your press operator to focus exclusively on the job of printing, we've centrally located all DFE operations in the shop's pre-press environment where it can be operated most efficiently.

- HP SmartStream Production Pro Print Server is a robust, scalable DFE, specifically optimized for use with HP Indigo digital presses. HP Production Pro provides easy remote user interface capabilities, unique VDP attributes, and expandable storage capacity. You also get "lights-out" automation to manage load balancing among multiple presses and job-tracking across RIP and print stages.

HP Production Pro manages multiple RIP units to drive several HP Indigo digital presses. The DFE also facilitates the rapid data rate required for high-speed printing—quickly collecting and distributing job records, ink and color information, substrate use, and other press data.

- HP SmartStream Production Plus Print Server, Powered by Creo meets the demanding workflow needs of hybrid offset-digital print environments with a comprehensive graphic arts feature set. Based on technology from Creo—renowned for workflow solutions and mature, feature-rich DFE solutions—HP Production Plus offers smooth integration with Creo Prinergy and Brisque workflows operating within traditional commercial print shops.

Similar to HP Production Pro, HP Production Plus RIP scales to support multiple HP Indigo digital presses.

- HP SmartStream Ultra Print Server is a completely automated workflow and high-performance RIP solution for image-rich and content-intensive printing in high-volume, short-run production. It enables users to centrally process and feed jobs in parallel to multiple HP Indigo digital presses at maximum press speeds, while reporting production status in real time.



JDF-enabled technology. With open JDF-enabled architecture, the HP Indigo 7000 Digital Press simplifies MIS integration and end-to-end workflows. It also provides a scalable foundation for embracing future growth opportunities.

HP Indigo's end-to-end solution includes application software, media and finishing solutions all optimized and integrated to meet your particular business goals and customer needs.

A progressive position on the environment

The HP Indigo 7000 Digital Press is designed with several features that are environmentally important and also help to reduce cost:

- Power consumption reduction of 25% per printed page compared to previous presses.
- An imaging oil recycling system, enabling a reduction of approximately 50% in consumption and waste.
- Longer lifespan consumables result in the generation of fewer waste materials.

HP—a worldwide leader and trusted partner

The HP Indigo community

The global HP Indigo digital press community is linked via 'My HP Indigo'—a secure online portal for vital tools, training, and development materials for shop owners, press operators, sales representatives, and production managers.

www.hp.com/go/myindigoweb

The Digital Solutions Cooperative

An exclusive opportunity for HP Indigo owners and sponsored by HP, this user-driven network of HP Indigo press owners, HP industry experts and partner companies share ideas and knowledge to drive success.

www.dscoop.org

HP Indigo Capture program

HP is committed to helping you capture business success. Grow your business with HP's innovative business development tools, training, and programs. Access the HP Indigo Capture program through the 'My HP Indigo' portal.

Technical Specifications

Printing speed	120 four-color letter size images per minute (two-up); 240 two-color or monochrome letter size images per minute (two-up)
Image quality	Resolution: 812 and 1219 dpi at 8 bit, addressability: 2438 X 2438 dpi HDI (High Definition Imaging)
Line screens	144, 175, 180 lpi
Paper format	13 x 19 in
Image format	12.48 x 18.26 in
Paper weight	Coated: 55 lb text to 130 lb cover; Uncoated: 40 lb text to 120 lb cover; Thickness 3-16 pt
Paper input system	Four drawers: Three drawers with 7 inch each (1800 sheets of 80 lb text each) Special jobs drawer: 1 x 2.5 inch (700 sheets of 80 lb text) A total of 6100 sheets of 80 lb text, all paper drawers support full range of substrates
Paper output system	Autoduplex/autoperefecting standard Main stacking tray with 23.6 inch stack height, with job offset stacking (6000 sheets of 80 lb text) Proof tray with 2.36 in stack height (600 sheets of 80 lb text)

HP Indigo inks:

Standard 4-color printing	Cyan, magenta, yellow, and black
HP IndiChrome 6-color printing	Cyan, magenta, yellow, black, orange, and violet
PANTONE® colors	<ul style="list-style-type: none">• PANTONE-licensed HP IndiChrome on-press 6-color printing using CMYK as well as orange and violet• PANTONE-licensed HP IndiChrome off-press Ink Mixing System, for spot color creation, using CMYK as well as orange, violet, red, green, blue, bright yellow, and transparent• HP Professional PANTONE Emulation Technology (PANTONE-licensed CMYK values for 4-color PANTONE simulation, utilizing ICC profiles to provide optimized simulation values for the specific press and media combination)
Offset proofing	GRACoL® and Fogra certified
Communication protocol	HP PrintLink software architecture – real time, bi-directional data exchange
Press dimensions	Width: 214.3 in; Depth: 90.5 in; Height: 82.8 in
Press weight	7275 lb excluding chiller
Print Servers (DFEs)	HP SmartStream Production Pro Print Server, HP SmartStream Production Plus Print Server, Powered by Creo, HP SmartStream Ultra Print Server
Supported image 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; With HPPS: PPML 2.2; VPS; Brisque CT/LW

Optional equipment /configurations:

Expanded colors capabilities	5th, 6th, and 7th color printing; HP Indigo Ink Mixing System
Additional feeding unit	One additional feeding module with a capacity of 3 x 1800, 80 lb text sheets (combined total of 11 500 sheets with main paper input system)
Additional stacking unit	One additional stacking module, capacity of 6000 80 lb text sheets

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