HP Indigo press 5500
The productive digital solution with offset look and feel, as well as true photo quality

The HP Indigo press 5500 delivers unmatched quality, reaches higher levels of productivity, and achieves greater profitability—the keys to success in a digital world. Capable of printing over 2 million color pages or more than five million monochrome pages per month, the HP Indigo press 5500 is a truly universal production device. It also combines the look and feel of traditional offset with genuine photo quality.

Unmatched print quality. The HP Indigo press 5500 offers both offset and photographic quality. Digital output has never looked so professional, with features such as:

- Superior HP ElectroInk liquid ink technology
- Wide color gamut, with up to 7-color printing
- Robust color management with HP Professional PANTONE® emulation and ICC profiles
- Special and spot color capabilities, including photo inks—light cyan and light magenta, digital matte and brand colors
- High definition dot placement technology enables 1219 dpi and zero dot gain for superior line work and micro text printing
- Photo color tables
- Best-in-class color accuracy and consistency

Maximum productivity and versatility. The HP Indigo press 5500 offers exciting features that help you earn maximum productivity out of your busy workday:

- Supports 68 ppm full color, 136 ppm in 2-color and 272 ppm monochrome in one press, regardless of media type or thickness
- Continuous printing with multi-feeders and stackers, seamless switching between jobs, proofs and media types

- Adjustment-free, minimum-touch paper handling
- Fast and efficient printing operations allow for a single operator to run two machines simultaneously

Print profitably. The HP Indigo press 5500 is a complete solution designed to help you increase margins by offering:

- Extensive automation, to reduce operator involvement
- Support of a wide range of coated and uncoated substrates, including specialty media
- On-press Fast Ink Replacement (OFIR) system, which eliminates ink replacement downtime when changing colors on-press
- Extendable workflow environment through HP SmartStream products and partners
- Oil recycling system, which reduces the oil consumption and waste

New options for the HP Indigo press 5500. The versatility of the press has been extended with optional enhancements:

- Additional paper feed unit, adding 3 drawers (5,400 sheets) allowing greater range of substrates in the press and reducing reload frequency for long production runs.
- Support for thick substrates up to 450 microns, allowing greater application range, including folding carton jobs
- In-line connection to HP Indigo UV Coater, streamlining production and reducing process handling and overhead costs

Technical Specifications

Print engine specifications:

Printing speed	68 4-color 8.5" x 11" images per minute (two-up); 136 2-color 8.5" x 11" images per minute (two-up); 272 full monochrome 8.5" x 11" images per minute (two-up on 12" x 18" sheets)
Image quality	Resolution: 812, 1219 dpi at 8 bit , 2438 x 2438 dpi in High Definition Imaging
Line screens	144, 160, 175, 180, 230 lpi
Paper format	13" x 19"
Image format	12.48" x 17.7"
Paper weight	Coated: 55 lb. text – 130 lb. cover Uncoated: 40 lb. text – 120 lb. cover Thickness: 3-16 points (up to 18 PT. optional)

HP Indigo inks:

Standard 4-color printing	Cyan, Magenta, Yellow and Black
HP IndiChrome 6-color photo printing	Cyan, Magenta, Yellow, Black, Light Cyan and Light Magenta
HP IndiChrome 6-color printing	Cyan, Magenta, Yellow, Black, Orange and Violet
HP Indigo special effect inks	HP Indigo Digital Matte ink
PANTONE® color	• 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)
Paper input system	Four drawers: Three drawers with 7" depth each (1,800 sheets of 80 lb. text each) Special jobs drawer: 1 x 2.5" (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/Autoperfecting standard Main stacking tray with 23.6" stack height, with job offset stacking (6,000 sheets of 80 lb. text) Proof tray with 2.36" stack height (600 sheets of 80 lb. text)
Press dimensions	Height: 81.7"; Width: 155.5"; Depth: 89.8"
Press weight	5,886 lb.

On-board Print Server specifications:

Architecture	HP SmartStream On-Board Print Server with integrated Global Graphics Harlequin® on-press RIP with optional expansion capability for additional RIPs that provide scalable RIP power
Software platform	Microsoft Windows XP professional
Hardware platform	2.8 GHz Pentium 4 processor, 17" flat screen monitor, DVD-RW/CD-RW, 160 GB system HD 1GB base memory, Image memory disks - two 160 GB drives which provide 320 GB of image memory
Supported formats and standards	Postscript Level 1,2,3, PDF 1.6, PDF/X-1a:2001, PDF/X-1a:2003, PDF/X-3:2002, PDF/X-3:2003, TIFF 6.0, JPEG, EPS, PPML 2.1, JLYT

Optional equipment/configurations:

Expanded colors capabilities	5th, 6th and 7th-color printing; HP Indigo Ink Mixing System
Prints Servers (DFE)	HP SmartStream Production Pro Print Server HP SmartStream Production Plus Print Server, Powered by Creo
Additional feeding unit	One addtional feeding unit with a capacity of 3 x 1800 sheets of 80 lb. text
Additional stacking units	Up to three additional feeding modules, each with capacity of 6,000 sheets of 80 lb. text. Multiple stackers allow true continuous printing (unloading while printing)
Thick substrate support kit	Support paper board cartons printing (up to 18 PT.). Enables high quality, on-demand, short run cost effective folding carton printing application
HP SmartStream Designer	With HP SmartStream Designer you can make every job easily full-color personalized and satisfy your customer with higher response rate
In-line Conveyer to HP Indigo UV Coater	Streamline coating operation for high-volume application-specific production
HP SmartStream Photo Enahncement Server	Fast, automated image sharpening, smoothing, contrast improvement and shadow enhancement

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

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