



## HP Indigo press 5500

The productive digital solution with  
offset look and feel as well as true photo quality



The mainstream digital color production device has become even more flexible with newly introduced options and applications



### **HP Indigo press 5500—your profitable and versatile printing solution**

The HP Indigo press 5500 delivers unmatched quality, reaches higher levels of productivity, and achieves higher profitability—the keys to success in the 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's also the true digital offset press that 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. Offset output has never looked so professional, with features like:

- 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: making every minute count**

The HP Indigo press 5500 offers exciting features that help you earn more 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 a single operator to run two machines simultaneously

### **Print profitably: boosting your bottom line**

The HP Indigo press 5500 is a complete solution designed to help you grow margin by offering:

- Extensive automation, which reduces operator involvement
- Support of a wide range of coated and uncoated substrates including specialty media
- On-press Fast Ink Replacement 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 oil consumption and waste

#### **New options for the HP Indigo press 5500**

The versatility of the press has been extended with optional enhancements:

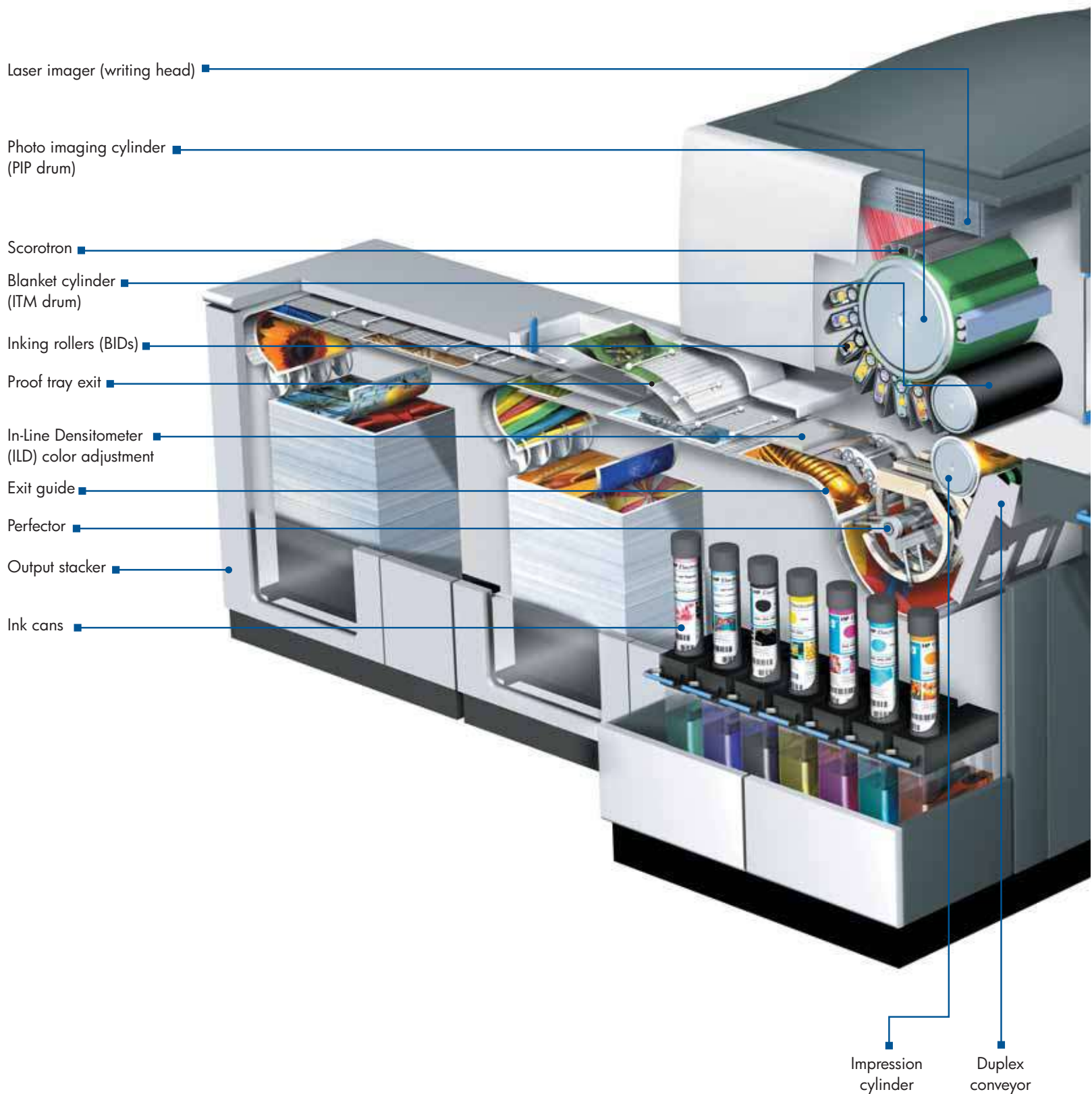
- Additional paper feed unit, adding 3 drawers (5,400 sheets) allowing greater range of substrates in the press and reducing reload frequency
- Support for thick substrates up to 18 points, allowing greater application range, including folding carton jobs
- In-line connection to HP UV Coater, streamlining production and reducing labor costs

#### **Picture new business with photo specialty services**

HP Indigo's light photo colors provide smoother skin tones, tone transition and greater color saturation. Seamlessly integrated with any existing customer workflow, these inks enhance the quality of personalized photo specialty products such as photo albums, photo calendars, postcards and greeting cards. Take image quality even higher with HP SmartStream Photo Enhancement Server—an optional stand-alone application product that brings your customers' digital photos to vivid life.

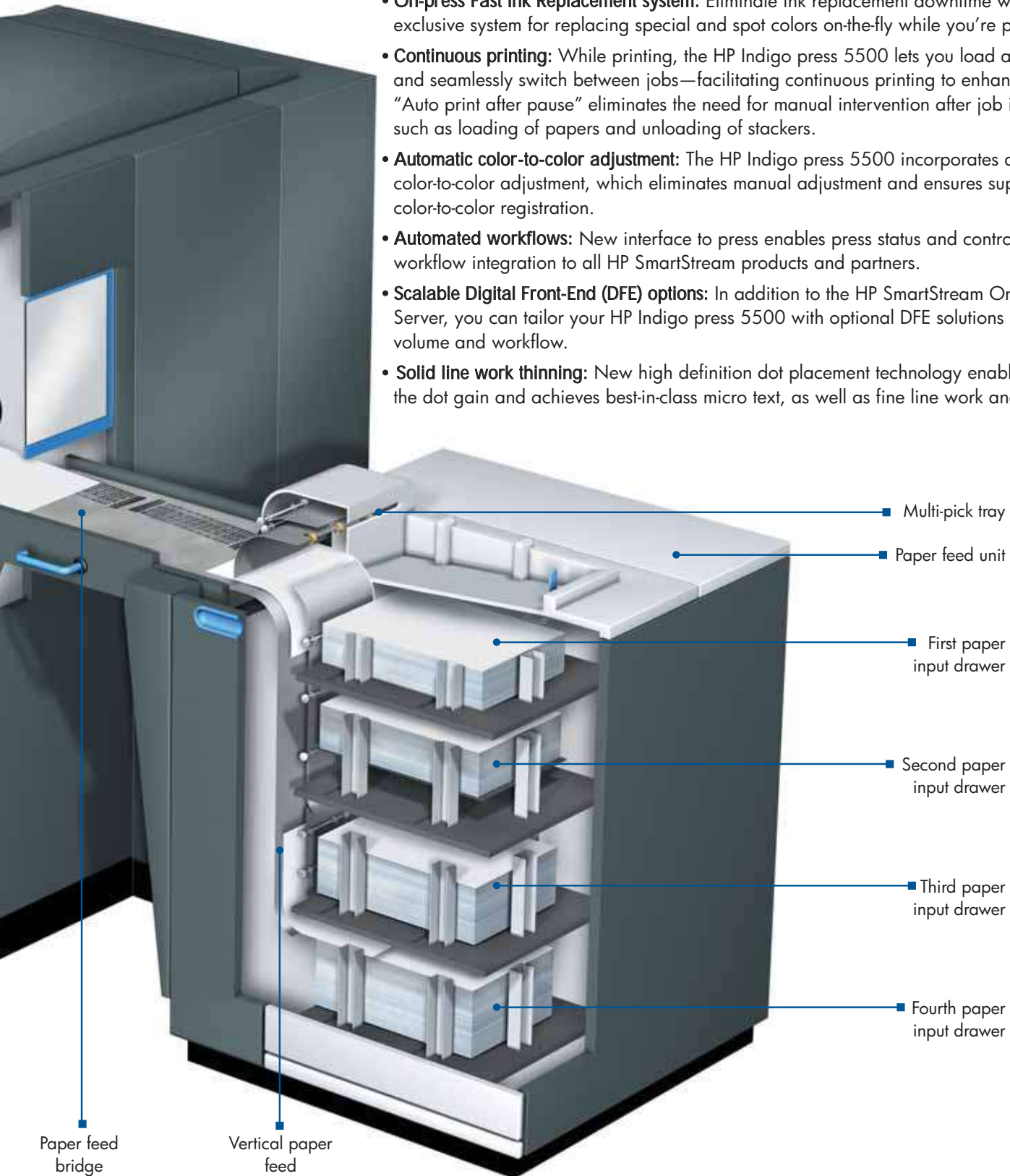
## An inside look

The HP Indigo press 5500 offers a wide range of productivity features—emphasizing faster press printing operations and less operator involvement—to help you cut production time, meet tight deadlines, and stay ahead of the competition.



## Key features at a glance

- **4-drawer paper feeding increases productivity:** The HP Indigo press 5500 incorporates a paper feeding unit with a 4-drawer configuration, accommodating the entire media range at full speed. Additional optional feeding unit is available supporting up to 7 different substrates.
- **Support of a wide range of coated and uncoated substrates:** Process parameters are now optimized to specific substrate characteristics, extending the press spec to include top branded standard offset uncoated papers.
- **On-press Fast Ink Replacement system:** Eliminate ink replacement downtime with HP Indigo's exclusive system for replacing special and spot colors on-the-fly while you're printing other jobs.
- **Continuous printing:** While printing, the HP Indigo press 5500 lets you load and unload, proof and seamlessly switch between jobs—facilitating continuous printing to enhance productivity. "Auto print after pause" eliminates the need for manual intervention after job interruptions, such as loading of papers and unloading of stackers.
- **Automatic color-to-color adjustment:** The HP Indigo press 5500 incorporates automatic color-to-color adjustment, which eliminates manual adjustment and ensures superb color-to-color registration.
- **Automated workflows:** New interface to press enables press status and control and easy workflow integration to all HP SmartStream products and partners.
- **Scalable Digital Front-End (DFE) options:** In addition to the HP SmartStream On-Board Print Server, you can tailor your HP Indigo press 5500 with optional DFE solutions suited to meet your volume and workflow.
- **Solid line work thinning:** New high definition dot placement technology enables the control of the dot gain and achieves best-in-class micro text, as well as fine line work and barcode printing.





**HP Indigo press 5500 with optional second feeder, in-line connection to HP Indigo UV Coater, and thick substrate kit**

### **HP Indigo's end-to-end solution assures a smooth workflow**

The HP Indigo press 5500 is part of a comprehensive solution that integrates third party partner software with advanced press software, the latest HP Indigo printing technology, substrates and finishing methods. HP Indigo's end-to-end solutions create a smooth process that makes your job easier and helps streamline the important task of meeting your customers' needs. A new folding carton application is now supported with EskoArtwork prepress and finishing solutions.

### **HP SmartStream Portfolio**

HP SmartStream is a Graphic Arts portfolio of components which help customers create digital printing production workflow solutions to meet a broad range of market segments and application needs. The HP SmartStream portfolio provides end-to-end workflow management, from job creation to fulfillment. When combining best-in-class HP SmartStream and Partner components, the result is greater flexibility, with specific solutions to address key market segments that are customizable and scalable to your unique business needs.

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

With the HP Indigo press 5500, 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 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 presses at maximum press speeds, while reporting production status in real time.

### **Full support and service give you peace of mind**

HP's principles for "Total Customer Experience" focus on the most important areas of customer satisfaction: issue prevention; fast response times; rapid, accurate issue resolution; efficient installation and superior customer care. Set-up and maintenance services include site preparation, workflow set-up, remote diagnostics, expert training for operations and maintenance, on-site field service, fast parts delivery, as well as hotline help desks.

### **Attractive financing options**

HP provides you with important business tools, such as affordable packages for the HP Indigo press 5500 and flexible terms of 36, 48 or 60-month contracts

### **HP—a worldwide trusted partner**

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/myhpindigoweb](http://www.hp.com/go/myhpindigoweb)

### **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](http://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. [www.hp.com/go/capture](http://www.hp.com/go/capture)

# Technical specifications

## Print engine specifications:

<b>Printing speed</b>	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
<b>Image quality</b>	Resolution: 812, 1219 dpi at 8 bit , 2438 x 2438 dpi in High Definition Imaging
<b>Line screens</b>	144, 160, 175, 180, 230 lpi
<b>Paper format</b>	13" x 19"
<b>Image format</b>	12.48" x 17.7"
<b>Paper weight</b>	Coated: 55 lb. text – 130 lb. cover Uncoated: 40 lb. text – 120 lb. cover Thickness: 3-16 points (up to 18 PT. optional)
<b>HP Indigo Inks</b>	
<b>Standard 4-color printing</b>	Cyan, Magenta, Yellow and Black
<b>Photo 6-color printing</b>	Cyan, Magenta, Yellow, Black, Light Cyan and Light Magenta
<b>HP IndiChrome 6-color printing</b>	Cyan, Magenta, Yellow, Black, Orange and Violet
<b>PANTONE colors</b>	<ul style="list-style-type: none"> <li>•PANTONE-licensed HP IndiChrome on-press 6-color printing using CMYK as well as orange and violet</li> <li>•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</li> <li>•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)</li> </ul>
<b>HP Indigo special effect inks</b>	HP Indigo Digital Matte ink
<b>Paper input system</b>	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
<b>Paper output system</b>	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)
<b>Press dimensions</b>	Height: 81.7"; Width: 155.5"; Depth: 89.8"
<b>Press weight</b>	5,886 lb.

## On-board Print Server specifications

<b>Architecture</b>	HP Press Production Manager with integrated Global Graphics Harlequin® on-press RIP with optional expansion capability for additional RIPs that provide scalable RIP power
<b>Software platform</b>	Microsoft Windows XP professional
<b>Hardware platform</b>	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
<b>Supported formats and standards</b>	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, JLT

## Optional equipment/configurations

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

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