

# HP Indigo 12000 HD Digital Press



## Technical specifications

Printing speed	3450 sheets per hour 4/0 4600 sheets per hour in EPM 3/0 1725 sheets per hour 4/4 4600 sheets per hour 1/1 (monochrome)
Image resolution	Addressability: 1625 DPI (virtual 4876 x 4876 DPI) Rip: 812 DPI at 8 bit
Line screens	175, 220, 250, 290 LPI
Sheet size	Maximum sheet size: 29.5 x 20.81 (In-house cutting: 29.527 x 20.866 in) Minimum sheet size: 20.1 x 11.7 in for simplex; 20.1 x 13 in for duplex
Image size	29.1 x 20.1 in maximum
Paper weight*	Uncoated media: 50 lb text to 150 lb cover. Coated media: 60 lb text to 150 lb cover; Thickness 3-18 pt.
HP Indigo ElectroInks	
HP IndiChrome Plus 7-color printing	Cyan, magenta, yellow, black, orange, violet, and green
Special effect inks	White, light cyan, light magenta , light light black, and fluorescent pink
HP IndiChrome off-press spot inks	HP IndiChrome Ink Mixing Service for spot color creation using CMYK as well as orange, violet, green, reflex blue, rhodamine red, bright yellow, and transparent
PANTONE® colors	Supports PANTONE PLUS®, PANTONE MATCHING SYSTEM®, and PANTONE Goe™ HP Professional PANTONE Emulation Technology using CMYK on-press; HP IndiChrome on-press; HP IndiChrome Plus on-press; HP IndiChrome off-press for achieving up to 97% of the PANTONE® color range
Options	
HP Indigo ElectroInk Primer	Supports use of off-the-shelf papers
Expanded color capabilities	7 ink stations
Auto Alert Agent	Enables on-press quality alert system
Optimizer	Automatic prioritization and management of the job queue
One Shot process kit	Enables printing on synthetics, metalized and canvas using HP Indigo One Shot technology



**RYAN PRINTING INC.**  
300 Corporate Drive, Blauvelt NY, 10913  
[www.ryanprintinginc.com](http://www.ryanprintinginc.com)  
845-535-3235

## Raising the print quality benchmark

**The leader in print quality and color.** Enabled by HP Indigo’s Liquid ElectroInk technology and unique digital offset process, prints produced on the HP Indigo 12000 HD Digital Press are of the highest quality. Using the breakthrough high-definition Imaging System, the press delivers the smoothest and sharpest prints in the industry, exceeding offset quality. HP Indigo ElectroInk has the widest digital color gamut, reaching up to 97% of PANTONE® colors and using up to seven ink stations on press. A fifth ink station is standard.

**New benchmark for print quality.** The HP Indigo HD Imaging System, a new high-definition writing head solution, doubles print resolution and decreases ink dot size by 30% compared to non-HD presses, for maximum smoothness on photo and high-end commercial applications. Surpass offset quality at 1600 DPI with high LPI screen sets up to 290 LPI, and create art-gallery quality prints with high detail reproduction.

- Default 220 LPI screen – Produce smoother skin tones, skies, and light-colored flat tints.
- 250 LPI screen – Reproduce finely detailed landscapes, other highly detailed images, and composite grays.
- 290 LPI screen – Clearly reproduce halftone text applications, fine lines, and text characters.
- 175 LPI screen – Match quality and rosette sizes with non-HD Indigo digital presses.

**Wide color gamut.** Use the default fifth ink station to take advantage of special inks and spot colors. Emulate PANTONE® colors on-press using CMYK or HP IndiChrome’s 6- or 7-color process. True spot colors can be ordered from the HP IndiChrome Ink Mixing Service.

## Freedom to innovate and create unlimited applications

### Any commercial job

An easy fit for offset printers, the HP Indigo 12000 HD Digital Press offers a solution for the digital printing of any commercial application on virtually any substrate. Use the full sheet to print any high-impact commercial application, from attention-grabbing posters, to folders, oversized books, photo applications, specialty products using high value substrates or inks, and much more.

### Wide media range

Print on virtually any substrate, from 50 lb text to 150 lb cover, 3-18 pt thick—including coated, uncoated, colored and dark papers, and paperboard for folding cartons—in an unlimited variety of paper sizes down to a minimum size of 20.1 x 11.7 in. One Shot technology transfers all color separations in one pass onto the substrate with perfect registration, expanding printing capabilities to specialty substrates such as canvas, synthetics and metalized media. Use HP Indigo ElectroInk Primer to print on an extended range of substrates, including off-the-shelf offset stock and specialty papers.

**Widest range of special inks.** Produce jobs that were never-before possible, with our wide range of special inks. Print higher-value pages using white ink on colored media and spot colors. Achieve professional photo quality with Light Light Black, Light Cyan, and Light Magenta inks. Create a Wow! effect with transparent ink watermarks and high-impact fluorescent ink applications.



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Stock: Accent Opaque White Smooth - 120# Cover  
Inks: CMYK

Printed on an HP Indigo 12000 HD  
Digital Press at Ryan Printing, Inc.



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*Stock: Accent Opaque White Super Smooth - 80# Cover*  
*Inks: CMYK*

*Printed on an HP Indigo 12000 HD*  
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*Stock: Blazer Satin - 100 Cover*  
*Inks: CMYK*

*Printed on an HP Indigo 12000 HD*  
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*Stock: Blazer Satin - 100 Text*  
*Inks: CMYK*

*Printed on an HP Indigo 12000 HD*  
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*Stock: Endurance Gloss - 100# Cover*  
*Inks: CMYK*

*Printed on an HP Indigo 12000 HD*  
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*Stock: GPA 12mil White Synthetic Paper  
Inks: CMYK (One Shot)*

*Printed on an HP Indigo 12000 HD  
Digital Press at Ryan Printing, Inc.*



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300 Corporate Drive, Blauvelt NY, 10913  
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*Stock: GPA Pressure Sensitive - 60# Offset  
Inks: CMYK*

*Printed on an HP Indigo 12000 HD  
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*Stock: GPA Pressure Sensitive - 60# Semi-Gloss  
Inks: CMYK*

*Printed on an HP Indigo 12000 HD  
Digital Press at Ryan Printing, Inc.*



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*Stock: Mohawk Curious Collection Metallics i-Tone Ice Gold - 111# Cover*  
*Inks: CMYK*

*Printed on an HP Indigo 12000 HD*  
*Digital Press at Ryan Printing, Inc.*



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*Stock: Mohawk Superfine Ultrawhite i-Tone Eggshell - 100# Cover*  
*Inks: CMYK*

*Printed on an HP Indigo 12000 HD*  
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*Stock: Mohawk Superfine Ultrawhite i-Tone Smooth - 100# Cover*  
*Inks: Black*

*Printed on an HP Indigo 12000 HD*  
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*Stock: Starbrite Opaque Select Smooth - 80# Cover*  
*Inks: CMYK*

*Printed on an HP Indigo 12000 HD*  
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*Stock: Tango 16pt C2S Cover  
Inks: CMYK*

*Printed on an HP Indigo 12000 HD  
Digital Press at Ryan Printing, Inc.*



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*Stock: Endurance Gloss - 120# Cover*  
*Inks: CMYK*

*Printed on an HP Indigo 12000 HD*  
*Digital Press at Ryan Printing, Inc.*



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*Stock: GPA 18pt White C2S Board  
Inks: CMYK*

*Printed on an HP Indigo 12000 HD  
Digital Press at Ryan Printing, Inc.*



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*Stock: Blazer Satin - 110# Cover*  
*Inks: CMYK + Light Light Black*

*Printed on an HP Indigo 12000 HD*  
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*Stock: Neenah Classic Crest Solar White Stipple Digital - 100# Cover*  
*Inks: CMYK + Light Light Black*

*Printed on an HP Indigo 12000 HD*  
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*Stock: Endurance Gloss - 100# Text  
Inks: CMYK + Light Light Black*

*Printed on an HP Indigo 12000 HD  
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*Stock: Tango 14pt C2S Cover  
Inks: CMYK + Light Light Black*

*Printed on an HP Indigo 12000 HD  
Digital Press at Ryan Printing, Inc.*