

HP Indigo WS6000p Digital Press

Top photo quality covers, cut prints and more



The HP Indigo WS6000p Digital Press is a high-quality, continuous feed press with a 38 inch print length for the production of cut-sheet photos, book covers, lay-flat books, and any other simplex applications demanding no-compromise print quality and a production line approach.

The leader in print quality and color. Enabled by HP Indigo's liquid ElectroInk technology and unique digital offset process, the press produces sharp images with a very thin ink layer, exposing the attributes of the substrate. The press delivers prints of the highest quality that match or even exceed silver halide (AgX) quality. Up to 7 ink stations on the press enable use of HP Indigo's wide digital color gamut.

- 6-color printing with light cyan and light magenta produces realistic skin and sky tones for professional photo quality applications.
- HP Indigo ElectroInk Light Black used in 2-color printing with black gives great results for monochrome photo reproduction.
- One Shot Color technology delivers perfect registration.

Long image format. The 12.48 x 38.58 inch printing area opens versatile and cost-effective production possibilities. For small format jobs, this also enables more efficient imposition using each frame fully, thereby reducing media waste and

producing more copies for the same cost. This amounts to significant savings for producing cut-photo prints, portrait prints, business cards, and more.

High productivity. The press operates at 98 feet per minute for 4-color jobs, and 65 feet per minute in 6 colors.

- Large-volume ink cartridges allow the press to run uninterrupted for long periods.
- On-the-fly ink replacement lets the press run with minimal downtime.
- HP Indigo Print Care service and support toolset assure fast, accurate problem detection and resolution.

Wide substrate range. The press includes an inline priming system that allows feeding of standard, affordable substrates of all kinds, including offset uncoated papers, thereby keeping media costs low. The press enables further versatility by feeding substrates with thickness ranging from 27 lb text to 130 lb cover and real photo papers.

Automated end-to-end solutions. A range of end-to-end solutions, including inline lamination and customized third-party solutions, from pre-press through printing and finishing, reduces production steps and turnaround time.

To learn more, visit www.hp.com/go/graphic-arts or www.hp.com/go/hpindigows6000p



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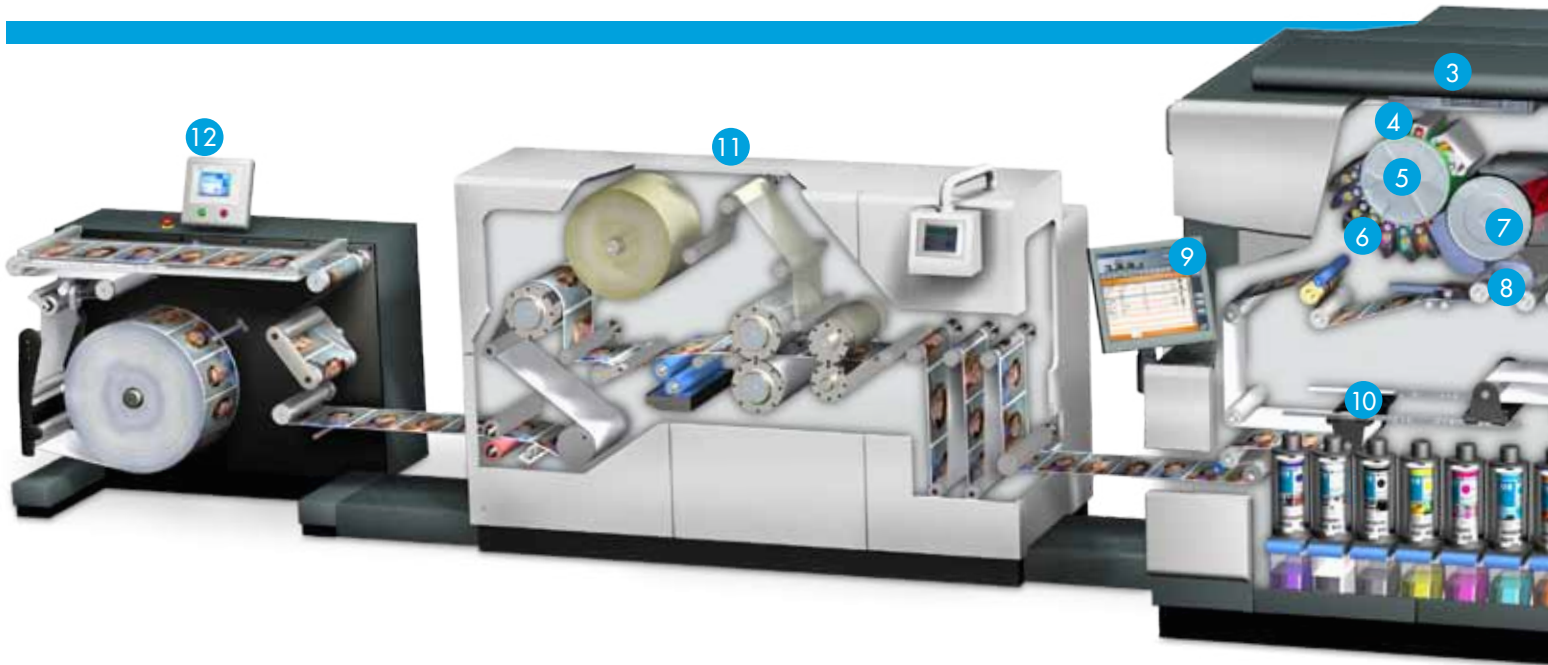
Photo quality with high productivity and long printing frame

Book covers and lay-flat books. The press enables the production of book covers and lay-flat books with consistent color and quality, complementing book blocks printed on HP Indigo digital printing technology.

- **High productivity**—Produce up to 1800 standard size photobook covers an hour in four colors using the press image format capabilities.
- **Consistent Indigo quality inside and out**—The long image format enables production of photobook covers to finish book blocks printed on sheetfed Indigo technology.
- **Substrate flexibility**—An extended range of compatible substrates enables production of book covers with optimal folding attributes for the production of slick and neat covers, hard covers, soft covers, and dust jackets.
- **Lay-flat books**—Produce professional 12 x 12 inch or 12 x 18 inch lay-flat books while printing simplex, long format pages, and using HP Indigo partner solutions.

Silver halide replacement solution. HP Indigo offers a full digital solution to provide the “look and feel” of consumer and professional photographs.

- **Optimized real photo papers**—World leading photo paper manufacturers Mitsubishi and Felix Schoeller have developed photo papers for use on HP Indigo digital presses. These papers are similar to silver halide papers but without the chemicals and the added expense.
- **Inline roll laminator**—For a photo finish, an inline laminator with an embossing roller creates luster, gloss, or matte finish.
- **Digital slitter/cutter**—A nearline automated system slits and cuts (X-Y Cutting) 4 x 6 inch and 5 x 7 inch cut prints and 8 x 10 inch portrait prints.
- **High productivity**—Produce up to 25,000 prints (4 x 6 inch) an hour (70% uptime using 4 colors) or 4600 portraits (8 x 10 inch) an hour (70% uptime using 6 colors).



High print permanence (lightfastness)—An independent research institute, Wilhelm Imaging Research, has verified the permanence of the HP Indigo photo solution. WIR testing determines how well prints and colors withstand the test of time when exposed to environmental factors. HP Indigo is the only digital press manufacturer that has published print permanence results from independent testing.



- **Archivability of HP Indigo photobooks**—Dark permanence measures the longevity of photos stored in photobooks. All four of the Indigo printing combinations that underwent testing earned the maximum WIR dark permanence rating of > 200 years. In comparison, silver halide photos received a rating of > 100 years.



- **HP Indigo photo display solution**—Display permanence refers to how long a photo can be on display before noticeable discoloration. The display permanence ratings for HP Indigo photo prints far exceed the results of tests conducted on photos printed on industry standard silver halide papers.



Use HP SmartStream products and partner solutions with the HP Indigo WS6000p Digital Press to improve production efficiency and support digital growth.

To learn more visit www.hp.com/go/smartstream



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| 1. Unwinder | 7. Blanket |
| 2. Inline Priming Unit | 8. Impression cylinder |
| 3. High-speed laser writing head | 9. Work station |
| 4. Charge roller | 10. Ink cabinet |
| 5. Photo Imaging Plate (PIP) | 11. GMP LAMIMASTER-34 (optional) |
| 6. Binary Ink Developers (BIDs) | 12. Rewinder |

Technical specifications

Printing speed	98 ft/min in 4-color mode 196 ft/min in 1- or 2-color mode 65 ft/min in 6-color mode
Image resolution	812 dpi at 8 bit, addressability: 2438 x 2438 dpi HDI (High Definition Imaging)
Line screens	144, 175, 180, 180m, 210
Image size	12.48 x 38.58 in maximum
Paper weight*	27 lb text to 130 lb cover
Substrate type	Coated and uncoated paper
Web width	Max. width: 13.39 in / Min. width: 7.87 in
Unwinder	Input roll max. diameter: 39.37 in Core inside diameter: • Standard: 3 in • Optional: 6 in Max. roll weight: 595 lb
Rewinder	27.56 in max. roll diameter
Print server (DFE)	HP SmartStream Onboard Print Server
Press dimensions	Length: 324.3 in; Width: 150.9 in; Height: 82.3 in
Press weight	8700 lb
HP Indigo Electrolnks	
Standard 4-color printing	Cyan, magenta, yellow, and black
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 IndiChrome Plus 7-color printing	Cyan, magenta, yellow, black, orange, violet, and green
Special effect inks	Light cyan, light magenta, and light black
HP IndiChrome off-press spot inks	HP IndiChrome Ink Mixing System (IMS) 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 (IMS) for achieving up to 97% of the PANTONE® color range.
Options	
Expanded color capabilities	5, 6 or 7 on-press ink stations
Third-party solutions	GMP LAMIMASTER-34 Tecnau Photobook Technology Mitamax for lay-flat books Renz 500 for calendar wire binding

* Media characteristics vary. If the media you are about to use is not listed in the Media Locator, HP cannot guarantee performance and we recommend that you test it prior to use.



North America
Hewlett-Packard Company
5555 Windward Pkwy
Alpharetta, GA 30004
USA
Tel: +1 800 289 5986

Europe, Middle East, and Africa
Hewlett-Packard Española S.L.
Cami de Can Graells, 1 – 21
08174 Sant Cugat del Valles
Barcelona
Spain
Tel: +34 902 027 020
Fax: +34 935 82 1 400

Asia Pacific
Hewlett-Packard Company
138 Depot Road
Singapore 109683
Tel: +65 6727 0777
Fax: +65 6276 3160

Latin America
Hewlett-Packard Company
5200 Blue Lagoon Drive
Suite 950
Miami, FL 33126
USA
Tel: +305 267 4220
Fax: +305 265 5550
informahpindigo@hp.com

Israel
Hewlett-Packard Company
Kiryat Weizmann
P.O. Box 150
Rehovot 76101
Israel
Tel: +972 8 938 1818
Fax: +972 8 938 1338

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