



HP Indigo WS6000 Digital Press

Overview

The new HP Indigo WS6000 Digital Press adds to HP's portfolio of digital presses for label and packaging converters. The WS6000 model addresses longer-run converting needs on jobs up to approximately 4,000 linear meters (13,000 linear feet), while the HP Indigo press ws4500 is targeted at shorter-run converting work. The HP Indigo WS6000 Digital Press is also designed for higher-volume users and offers total cost of ownership advantages on average monthly volume usage in excess of 300,000 linear meters (984,000 linear feet) per month.

The HP Indigo Digital Press WS6000 can print up to 7 colors and includes an improved white ink for printing on metallic label stock as well as flexible packaging. The press prints at 30 meters (98 feet) per minute in four colors. Featuring the same high quality for which HP Indigo label and packaging presses are known, the WS6000 press prints on a broad range of media, including thinner flexible packaging substrates and folding carton media, as well as label and shrink sleeve media. The press' repeat length of 980 mm (38.58 in.) permits greater productivity and lower costs per label.⁽¹⁾

The HP Indigo WS6000 Digital Press is driven by the new HP SmartStream Labels and Packaging solutions, powered by EskoArtwork, which includes a new, specially designed digital front-end. This new HP SmartStream solution enables efficient file processing, outstanding color capabilities, step-and-repeat work and variable-data applications.

Key features and benefits

- High printing speed of 30 m/min. (98 ft./min.) in four colors on all media within specifications, in resolutions up to 1,200 dpi
- New two-color printing speed of 60 m/min. (200 ft./min)
- High breakeven point with conventional printing for cost-effective production on jobs up to an average of 4,000 meters (13,000 feet)
- Broad range of media compatibility from 12-450 microns to produce flexible packaging, shrink sleeves, labels and folding cartons
- Large 317 mm x 980 mm (12.48 in. x 38.58 in.) image format size for increased throughput and lower costs per label⁽¹⁾
- Quick, simple and automated blanket mounting, charging, photographic imaging plate replacement and lubrication
- Fewer ink changes with higher-capacity cans of HP ElectroInk, plus on-press fast ink replacement feature for color changes on optional fifth, sixth and seventh colors with virtually no downtime
- Fully leverages industry-leading labels and packaging workflow of new HP

Editorial contacts:

Kristine Snyder, HP
+1 949 548 4995
kristine.snyder@hp.com

David Lindsay
Porter Novelli for HP
+1 404 995 4577
david.lindsay
@porternovelli.com

Hewlett-Packard Company
3000 Hanover Street
Palo Alto, CA 94304
www.hp.com

SmartStream Labels and Packaging solutions, powered by EskoArtwork

- New, user-friendly graphical user interface for simplified operation through touchscreen panels
- Enhanced serviceability and increased uptime with HP Indigo Print Care on-press diagnostics and guided troubleshooting tools
- Near-line and in-line finishing available from AB Graphics and other partners

Specifications

- Printing speed: 30 m/min. (98 ft./min.) in four colors, 60 m/min. (196 ft./min.) in two colors
- Image quality and line screens: 812 and 1,200 dots per inch at 8-bit resolution, 2,400 x 2,400 addressability high-definition imaging; 144, 175 and 230 line screens
- Roll width: 340 mm (13.39 inches)
- Image size: 317 mm x 980 mm (12.48 in. x 38.58 in.)
- Media types: self-adhesive label stock, films and folding cartons
- Media thickness: 12-450 microns
- Media input and output: standard roll un-winder and rewinder optional in-line finishing equipment. Simplex and duplex capabilities
- Standard four-color (CMYK), and the broader color gamut systems of HP IndiChrome on-press six-color (CMYKOV) and HP IndiChrome Plus seven-color (CMYKOVG) provides higher accuracy of PANTONE® colors emulations.
- Special effect HP ElectroInks include white, PANTONE-licensed spot mixed inks and custom-mixed spot colors
- Supported Image formats: PS (Adobe® certified), composite and pre-separated PDF 1.7, EPS, DCS 2, Esko-Graphics native format; Any format which can be imported to Adobe CS and be sent as PS to Esko (TIFF, JPG, BMP, EPS)
- Electricity requirements: Input voltage – three-phase, 400 VAC, ± 6%, 3 x 50 Amp, 50/60 Hz; power consumption: 18 KW average during printing

Options

- Additional fifth, sixth and seventh color capabilities
- Color management
- VDP tools
- Flexible packaging rewinder upgrade

Availability

The HP IndigoWS6000 Digital Press is expected to be available worldwide in early 2009.

(1) Compared to the HP Indigo press ws4500.

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