

HP Indigo press ws4050 and ws2000

End-to-end digital solutions for profitable,
high-quality labels and packaging



Roughly 65% of current label print runs fall into the short to mid quantity range. Furthermore, the market for shrink sleeves is growing at a healthy, projected rate of 7% per year, and flexible packages currently own an estimated 17% share of the packaging market.

With the HP Indigo presses ws4050 and ws2000, HP enables you to take advantage of these and other growing applications and profitable trends in industrial printing.

Competitive edge

- Produce self-adhesive labels, shrink sleeves, and flexible packaging in profitable short to medium runs.
- Eliminate time-consuming prepress – no films, plates or chemistry – and turn jobs around in hours.
- Print with up to 7 colors, including spot colors, white and eye-popping fluorescent colors; mix your own colors using the HP IndiChrome Ink Mixing System.
- A broad substrate selection includes self-adhesive papers, plain and embossed papers, synthetic materials, including PE, PET, OPP, Teslin, Vinyl, PVC, specialized substrates, such as metalized and “no label look” media, and thin substrates (12* microns and above) – as well as PS/OPS (Polyolefin).
- A streamlined workflow, using normal design formats, reduces prepress to less than half an hour for setup and RIP.
- Variable data printing enables regional variations, barcodes, numbers, names, text and images.
- Imprint special security features with ease.
- Enhanced duplex printing and over printing simplify the printing of hidden information and decorations.
- Meet GMP/GAMP and FDA/EMEA regulations for medical and pharmaceutical labels.

*Substrate testing recommended

End-to-end finishing solutions

For labels

- Nilpeter in-line and off-line finishing solutions for varnishing, lamination, die-cutting, slitting and rewinding.
- AB Graphic International provides in-line systems for flexo-varnishing, over-laminating, hot foil stamping, and laser die-cutting.
- SMAG offers an off-line full rotary system for finishing, plus an offline semi-rotary unit and the Galaxie finishing system.
- The Rotoflex Vericut System is an off-line finishing system featuring automatic registration with continuous correction, auto-positioning to reduce waste, auto-learn to compensate for web print variables, and more.

For shrink sleeves

- DCM offers compact, easy-to-use shrink-sleeve finishing solutions, including the DCM off-line sleeve seamer, and an off-line inspection system to inspect seam consistency.

For flexible packaging

- GKS Packaging provides vertical form fill and seal (VFFS) machines for all size companies.



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Technical specifications

HP Indigo press ws4050

HP Indigo press ws2000

Print engine specifications:

| | | |
|---------------------------------------|--|---|
| Printing speed | 52.2 ft per min. in 4-color mode 104 ft per min. in 1 or 2-color mode | 23 ft per min. in 4-color mode |
| Image quality | 812 x 812 dpi 812 x 1,624 dpi when printing in high resolution mode Line screens: 144 (sequin), 160, 175, 180, 230 lpi | 812 x 812 dpi 812 x 1,624 dpi when printing in high resolution mode Line screens: 144 (sequin), 160, 175, 180, 230 lpi |
| Image size | 12.1" x 17.7" max. | 12.1" x 17.7" max. |
| Web width | Max. width: 13"/ Min. width: 7.9" | Max. width: 13" |
| Substrate thickness | 12*-350 micron (0.47*-13.8 mils) | 12-250 micron (0.47-9.8 mils) |
| Substrate type | Self-adhesive label stock and films | Self-adhesive label stock and films |
| Process colors: | | |
| Standard 4-color printing | Cyan, Magenta, Yellow and Black | Cyan, Magenta, Yellow and Black |
| HP IndiChrome 6-color printing | Cyan, Magenta, Yellow and Black, Orange and Violet Prints PANTONE Colours mixed using the HP IndiChrome Ink Mixing System or ordered via the HP Indigo Special Ink Mixing Services | Cyan, Magenta, Yellow and Black, Orange and Violet Prints PANTONE Colours mixed using the HP IndiChrome Ink Mixing System or ordered via the HP Indigo Special Ink Mixing Services |
| PANTONE® Colors | PANTONE licensed for HP IndiChrome | PANTONE licensed for HP IndiChrome |
| White ink | Yes | Yes |
| Input system | Input roll max. diameter: 51.2" Core inside diameter: 3" (6" optional) Tension control system / Air expanded shaft Roll load/unload pneumatic device / Max. roll weight: 882 lb Active web guide | Input roll max. diameter: 15.7" Core inside diameter: 3" (6" optional) Tension control system / Air expanded shaft Passive (ladder) web guide |
| Output system | Rewinder: 23.6" max. roll diameter | Rewinder: 15.7" max. roll diameter |

Digital front end specifications:

| | | |
|--|--|--|
| Software platform | Microsoft® Windows XP® Professional | Microsoft® Windows XP® Professional |
| Supported formats and standards | Postscript Level 3, PDF 1.4, TIFF, JPEG, EPS, PPML 1.0, JLYT | Postscript Level 3, PDF 1.4, TIFF, JPEG, EPS, PPML 1.0, JLYT |
| HP Indigo Yours Truly | Full color personalization | Full color personalization |

Optional equipment/configuration:

| | | |
|---|--|---|
| Expanded color capabilities | HP IndiChrome 5, 6 and 7-color printing HP IndiChrome Ink Mixing System | HP IndiChrome 5 and 6-color printing HP IndiChrome Ink Mixing System |
| Workflow and finishing solutions | HP Production Flow Nilpeter/AB Graphic International (Omega Systems) /Rotoflex/SMAG | HP Production Flow AB Graphic International (Omega Systems) /Rotoflex/SMAG |

*For the HP Indigo press ws4050 only: substrate testing recommended

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