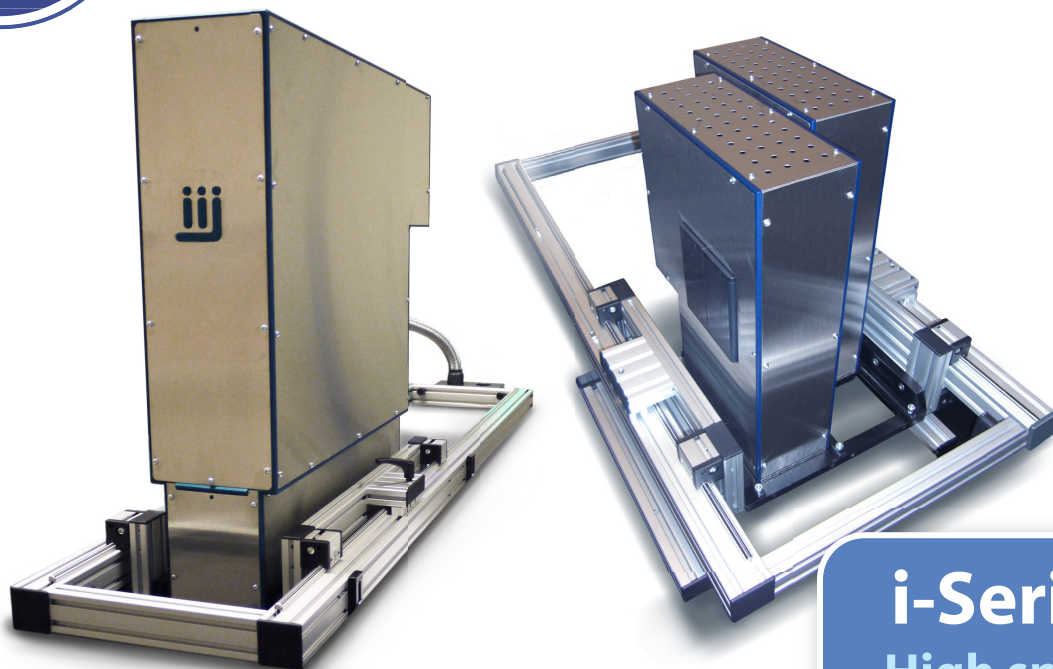




Industrial Inkjet Ltd

Making inkjet work



i-Series
High speed
models

Industrial Inkjet MonoPrint i-Series

A range of extremely compact, single-pass print engines.

Our print engines use Konica Minolta printhead units for accuracy, quality and highest possible reliability. Now available with full variable information software from Global Inkjet Systems.

- Single and two-colour.
- Various print widths available. See overleaf for details.
- Suitable for UV cured, ceramics and water-based textile inks.
- Suitable for web printing, sheet-feed and 3D product decoration applications.
- Ideal for security printing.

IIJ print engines are designed to be easily integrated into the customer's existing production line or equipment.

- Printhead unit slides out for simple, rapid and easy cleaning. Slides and cleaning tray included.
- Ink and electronics cabinets can be mounted within the customer's production equipment.
- An alternative stand-alone trolley is available.
- Flexible conduit 4m long between supply cabinets and printhead unit.
- Only two signals needed - shaft encoder and print trigger.
- Ink supply bottles can be changed without stopping print. Bottles are 1L as standard (Custom sizes available).
- Supplied with full variable image software (barcodes, numbering, addressing, database). Includes job design package.
- Standard UV inks provide excellent print quality, adhesion and wear resistance on most plastic materials, often without any pre-treatment.
- UV fluorescent security inks available.
- Versions for white ink, varnish, conductive inks and functional fluids available.
- Fully recirculating ink supply system for ceramics inks.
- Customised versions available - different print speeds, print widths, number of colours and print resolution.
- Please contact IIJ and we will be happy to discuss your requirements.

Industrial Inkjet MonoPrint i-Series



Industrial Inkjet MonoPrint i-Series Specifications

| | MonoPrint 72i | MonoPrint 142i | MonoPrint 282i Slim | MonoPrint 352i Slim |
|--|--|--|--|--|
| Print Width | 72mm | 142mm | 282mm | 352mm |
| No. of Printheads | 1 | 2 | 4 | 5 |
| Printhead enclosure dimensions (incl. header tanks). | 96mm wide in direction of substrate travel x 220mm deep x 354mm high. | 184mm wide in direction of substrate travel x 250mm deep x 363mm high. | 137mm wide in direction of substrate travel x 487mm deep x 586mm high. | 137mm wide in direction of substrate travel x 557mm deep x 586mm high. |
| Other dimensions | Head Drive: 400 High x 400wide x 210mm deep. Weight = 10 kg Ink Control: 430 High x 320wide x 185mm deep. Weight = 9 kg (548mm incl. beacon) Ink Fluids: 400 High x 400wide x 210mm deep. Weight = 12 kg (no fluids) 4 x flexible conduits (connecting printheads control and ink supply): 35mm diameter x 3m long (4m for CP352). Custom conduit lengths available to order. | | | |
| Colour | Monochrome | | | |
| Resolution | 360dpi Binary or Grey-scale | | | |
| Print Speed | 75 metres/minute at 360x360dpi (3 level greyscale) or 360x720dpi Binary 68 metres/minute satellite-free (Agfa SUV) 150 metres/minute (double printhead version) | | | |
| Printhead Type | KM1024iMH (14pl). These heads are suitable for most UV, solvent oil or water based inks. Heads allow for full ink recirculation. | | | |
| Drive Electronics | From Global Inkjet Systems. Capable of full real-time data transfer. | | | |
| Ink Systems | Meniscus vacuum controlled. | | | |
| Head Alignment | By cone screw and washer and lock in position | | | |
| Mountings | Supply enclosures can be individually mounted on to the substrate transport. An optional simple trolley is available. | | | |
| Head Mount Slide | Mounts printhead unit assembly to the machine. Enables heads to be moved to purge position. Adjustable stops allow printhead assembly to be returned to print position after cleaning. | | | |
| Cleaning Tray | Supplied with cleaning tray. Collects waste ink and drains to a cleaning bottle. Height-adjustable trolley for cleaning tray is available. | | | |
| Configurable | Industrial Inkjet can adjust the configuration to suit individual customer requirements. | | | |

Customer only needs to supply: Machine bed, media, ink, shaft encoder, print go signal.