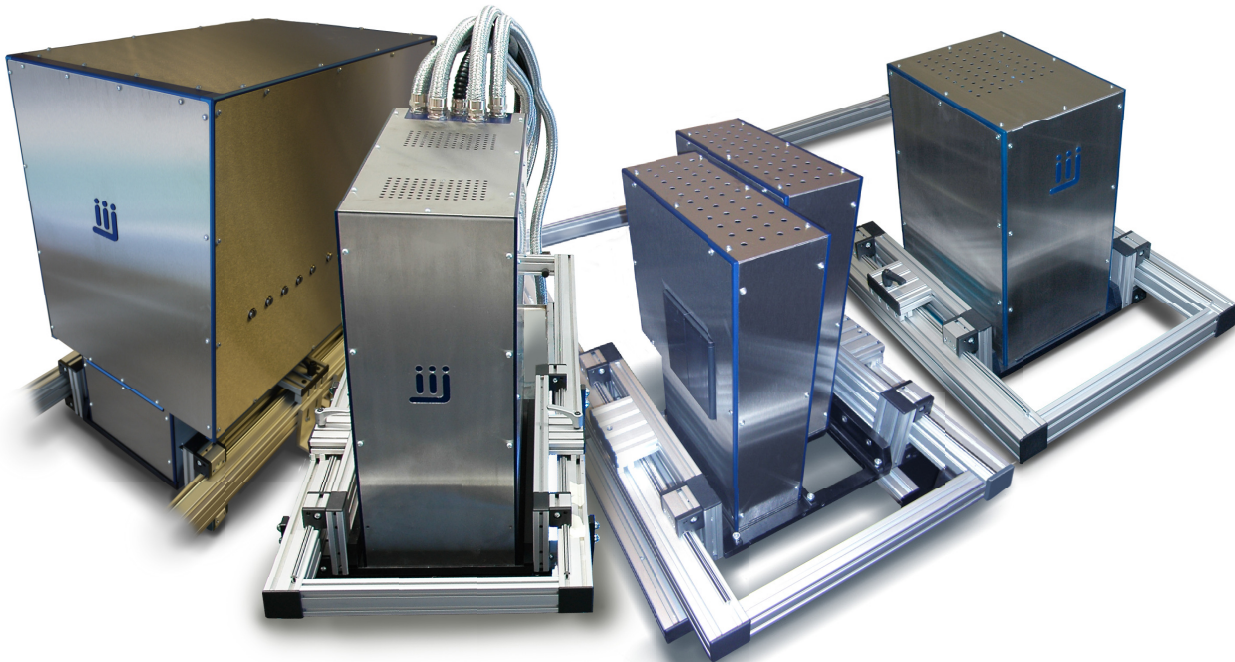




Industrial Inkjet Ltd

Making inkjet work



Industrial Inkjet ColourPrint

A range of extremely compact, full-colour, 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.

- CMYK process 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 product decoration applications.
- Ideal for decoration of 3D parts.

IJ 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.
- The ink system is designed to run a wide range of inks including special purpose inks (eg-conductive inks, special coatings etc).
- Fully recirculating ink supply system for ceramics inks.
- Customised versions available - different print speeds, print widths, number of colours and print resolution.
- Please contact IJ and we will be happy to discuss your requirements.



Industrial Inkjet ColourPrint Specifications

	ColourPrint 72	ColourPrint 142	ColourPrint 282	ColourPrint 352
Print Width	72mm	142mm	282mm	352mm
No. of Printheads	4	8	16	20
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.	195mm wide in direction of substrate travel x 468mm deep x 478mm high.	352mm wide in direction of substrate travel x 557mm deep x 594mm 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	CMYK			
Resolution	360dpi Binary or Grey-scale			
Print Speed	(14pl) 360 x 360dpi Grey-scale at 18m/min (14pl) 360 x 720dpi Binary at 27m/min (6pl) 360 x 360dpi Grey-scale at 15m/min (6pl) 360 x 720dpi Grey-scale at 18m/min (6pl) 360 x 1440dpi Binary at 27m/min			
Printhead Type	KM1024 series. LH (42pl), MH (14pl) or SH (6pl). These heads are suitable for most UV, solvent 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.