JETSCI® M Series

High Speed Industrial Inkjet Systems
Monochrome Variable Data Printing

• Innovative • Flexible • Affordable • Profitable

JETSCI
by Monotech Systems

Seamless integration on to existing Web Press, Sheetfed or Offline Substrate Carriers

- **72 mm print width/module**
- **Resolution (Native) of 360 dpi**
- **Black, spot color, varnish, security inks etc.**
- **8 Gray Levels**
- **Speed upto 180 m/min**
- **Low cost of ownership**
- **Fast ROI**

Ideal solution for VDP

Integrated with Konica Minolta 1024i Inkjet Printhead, Monotech® Systems' own manufactured, JETSCI® M Series, prints variable data accurately and economically at high speeds. Barcodes, text, numbers, images and other printed variable data comes out very sharp and of highest level of quality with 100% readability & scanability. Systems can be integrated easily to customer's existing production line and they can upgrade their conventional printing setup with digital production system.

Standard equipment has an industrial controller built and designed according to the 24 X 7 production environment with pre-installed advanced VDP software to print data in real time. Bespoke projects can be undertaken where the systems can be configured as per customer's requirements like number of colors, higher speeds, resolutions and print widths.

Key Applications

- Barcodes & 2-D/QR codes
- Variable text
- Logical and sequential numbers
- Logos and variable images
- OMR and litho codes
- Custom fonts & symbols
- Security features
- Full or part page variable data
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Technical Specifications

Printhead	Konica Minolta 1024i Series (Piezo DOD)
Print Width mm	Multiple of 72 mm
Print Resolutions	360 dpi (Native)
Speed	Upto 180 m/min (Inks, resolution and printhead type dependent)
Drop Volume	13 pL (8 Gray Levels)
Ink Type	UV Curable, Water Based (Dye/Pigment)
Ink Tanks	5 Litres
Standard Color	Monochrome | Spot | Security
Ink Options	CMYK, Spot, White, Varnish , Security inks
Recommended Substrates	Paper, Coated, Glossy, Films, Plastics, Polyester, Aluminium Foils, Labels, PVC, Carton, PET , Tyvek etc.
VDP Software Input Format	BMP, JPEG, PNG, TIFF, CSV, TXT, XLS, Database File, PDF Printing (Optional)
Controller Configuration	Industrial PC with 64 - Bit Windows 11, 32 GB RAM, 250 GB SSD (Configurable)
Optimum Temp & Humidity Range	20-26°C, Humidity 40-60%, Non Condensing
Air Supply Requirements	Compressed Air, 6-8 Bar, Moisture & Oil Free
Electrical Requirements	Standard 220-240 V, 50 Hz, 10 A only for Inkjet Print Module (Configuration dependent)

KM1024i

Above specifications are standard and does not apply to all systems. Please discuss the country specific applicants and electrical requirements with our sale representatives and consult our technical team before making any site preparation.

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