JETSCI Y Series

High Speed Industrial Inkjet Systems
Monochrome Variable Data Printing

• Innovative • Flexible • Affordable • Profitable

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

- **Premium solution for VDP**
- **108mm print width/module**
- **Resolution (Native) of 600 dpi**
- **Black, spot color, varnish, security inks etc.**
- **3-14pl variable drop volume or fixed binary mode**
- **Speed upto 220m/min**
- **Lowest cost of ownership**
- **Fastest ROI**

Expect More !

Revolutionary Technology Exceeding Expectations!!

Rising demand for digitalization and short run jobs have changed customer requirements. Customers expect high speed, quality, reliability, flexibility from a cost effective solution.Integrated using the world's fastest drop on demand (DOD) Kyocera Kj4 Inkjet Printhead, Monotech Systems' JETSCI Y series delivers the premium solution for printing variable data at high speeds with very high quality. It can be adapted to any existing setup and upgrade conventional printing web press, sheetfed, converting lines with digital (imprinting) production systems.

Due to its modular design, flexibility, and cost effectiveness, wide range of applications can be targeted with these systems. Fully integrated inkjet system and customized stand-alone printing solution can also be designed and offered for bespoke applications.

JETSCI printing system utilises high quality UV curable and AQ (water based) inks to achieve high consistency and reliability in the prints. UV inks comprise of chemicals that do not produce any VOC (volatile organic compounds) thus are much safer than solvent inks. Wide range of inks offered for different applications; various substrates, speciality and security applications as well as low migration inks for food packaging.

ECO FRIENDLY INKS

Key Applications

- Barcodes & 2-D/QR codes
- Variable text
- Logical and sequential numbers

- Logos and variable images
- OMR and litho codes
- Custom fonts & symbols

- Micro text and security features
- Full or part page variable data
- ++

Technical Specifications

	JETSCI YUV	JETSCI YAQ
Printhead	Kyocera Kj4 A (Piezo DOD)	Kyocera Kj4 B (Piezo DOD)
Print Width mm	Multiple of 108mm	Multiple of 108mm
Print Resolutions	150, 300, 600, 1200 DPI	
Speed (Print Resolution Dependent)	Upto 150 m/min	Upto 220 m/min
Drop Volume	3 pL, 7pL, 11pL, 14pL (Binary or Grey Scale)	5 pL, 7pL, 12pL, 18pL* (Binary or Grey Scale)
Ink Type	UV Curable	Water Based (Dye/ Pigment/ Hybrid)
Ink System	Closed Loop with Degas (Non Recirculating) Recirculation in case of heavy pigmented inks like white	
Ink Tanks	2 - 20 Litres (Custom Sizes Available)	
Standard Color	Monochrome	
Ink Options	Spot Color, Invisible, White, Security inks, Varnish, Coating solutions, Low Migration Inks for food packaging	Spot Color, White, Varnish, Primer, Invisible, Security inks
Recommended Susbstrates	Paper, Coated, glossy, Films, Plastics, Polyester, Aluminium Foils, Labels, PVC, Carton, PET , Tyvek etc.	Paper (Coated, non coated, glossy), Board, carton , Paper labels etc.
Configurations	Single Printhead/ Double Speed Dual Printhead/ Dual Color/ Bespoke	
VDP Software Input Format	BMP, JPEG, PNG,TIFF, CSV, TXT, XLS, PDF Printing (Optional), Data base file	
Controller Configuration	Industrial PC with 64 - Bit Windows 7, 16/32/64 GB RAM, 256 GB SSD (Configurable)	
Optimum Temperature & Humidity Range	18 - 30 degree C / 40-60 percent	
Air Supply Requirement	Compressed clean & dry air, 6-8 (required in some configurations)	
Conduits length	Generally supplied with 5m length, custom size available	
Electrical Requirements	Standard 220-240 V, 50 Hz, 10 A (Only for Inkjet System) / Configuration dependent.	

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. *18pL drop is available up to 24kHz.

Labels

Tickets

Business Forms

Packaging

Envelopes

Plastic Cards

CE

KYOCERA

You Tube Channel (Videos):
JETSCI Global

Kj4 Family