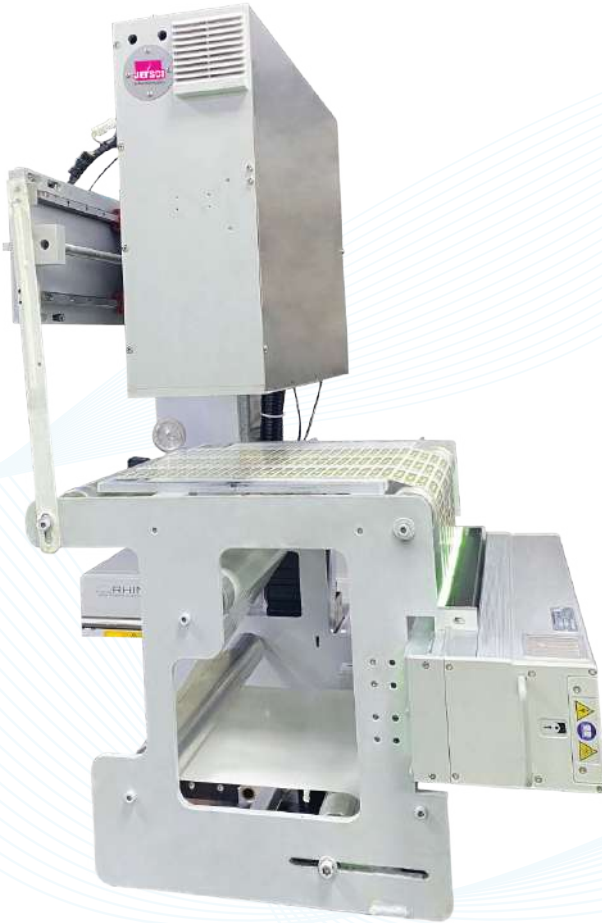




JETSCI® Y Series

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
- 108 mm print width/module
- Resolution (Native) of 600 dpi
- Black, spot color, security inks etc.
- 3-14pl variable drop volume or fixed binary mode
- Speed up to 150 m/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.



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
- ++

Technical Specifications

	JETSCI® YUV	JETSCI® YAQ
Printhead	Kyocera KJ4A (Piezo DOD)	Kyocera KJ4B (Piezo DOD)
Print Width mm	Multiple of 108 mm	Multiple of 108 mm
Print Resolutions	600 dpi (Native)	
Speed (Print Resolution Dependent)	Upto 150 m/min	Upto 200 m/min
Drop Volume	3 pL, 7pL, 11pL, 14pL (Binary or Gray Scale)	5 pL, 7pL, 12pL, 18pL* (Binary or Gray 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	5 Litres	
Standard Color	Monochrome Spot Security	
Ink Options	Spot Color, Invisible, White, Security inks	Spot Color, White, Invisible, Security inks
Recommended Substrates	Paper, Coated, Glossy, Films, Plastics, Polyester, Aluminium Foils, Labels, PVC, Carton, PET, Tyvek etc.	Paper, Coated, Non Coated, Glossy, Board, Carton, Paper labels etc.
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 11, 32 GB RAM, 250 GB SSD (Configurable)	
Optimum Temperature & Humidity Range	20-26°C, Humidity 40-60%, Non Condensing	
Air Supply Requirement	Compressed Air, 6-8 Bar, Moisture & Oil Free	
Conduits length	Generally supplied with 5m length, custom size available	
Electrical Requirements	Standard 220-240 V, 50 Hz, 10 A only for Inkjet Print Module (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.



Scan to know more



KYOCERA



Kj4 Family

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