



# JETSCI iMCR

## Inkjet MICR Printing

• Incomparable • Reliable • Adaptable • Secure

### Ultimate MICR Inkjet Security Printing Solution for Financial Documents, Tickets, Tags & Labels



## What is MICR?

Magnetic ink character recognition code (MICR Code) is a character-recognition technology used mainly by the banking industry to ease the processing and clearance of cheques and other financial documents. The MICR encoding, called the MICR line includes the document-type indicator, bank code, bank account number, cheque number, cheque amount, and a control indicator. The technology allows MICR readers to scan and read the information directly into a data-collection device. The MICR E-13B font has been adopted as the international standard in ISO 1004:1995, but the CMC-7 font is widely used in Europe, Brazil and Mexico.

## Safeguarding Documents of High Significance

JETSCI iMCR is the result of Monotech's vast experience and continuous R&D, manufacturing and delivery of high speed and high quality inkjet printing systems achieving 100% customer satisfaction. MICR printing with JETSCI iMCR can achieve over 100% signal strength (100% - 160%) with consistency and reliability. Documents printed are of very high quality and meet the compliance of International Industry Standards at high speeds.

## Ultimate Solution for Secure Printing Business

- **Incomparable**

With JETSCI iMCR, operating cost can be reduced up to 50% in comparison to the conventional technologies used for printing MICR without compromising on the productivity and quality. High throughput upto 100m/min (36000 A4 sheets/100K cheques per hour) ensures fastest return on investment (ROI).

- **Reliability**

JETSCI iMCR can achieve over 100% signal strength (100-160%) consistently and reliably. The documents printed are of very high quality and meet the compliance of international standards at high speeds.

- **Adaptability**

Multiple units of small printers can be replaced in existing setup with single unit of JETSCI iMCR. It can be integrated on to existing setup of web presses and offline sheetfeds. Customer just have to pay for inks/consumables being used and there are no click charges.

- **Secure Printing**

JETSCI iMCR Prime Black Ink is specially formulated ink that gives ultra crisp, sharp prints resistant to smudging and fading. It comes with an added advantage of additional security of Inkjet technology over any other tonner/cartridge based system and most difficult to counterfeit.

# Technical Specifications

Printhead	Piezo DOD Kyocera KJ4 Series (Modified Specs)
Print Width/Configuration	210mm / 432mm
Resolutions (DPI)	600 X 600 (High-quality and average signal strength 90%- 120% mode) 600 X 600 (High quality and average signal strength 100%- 160% mode)
Speed	40-100 m/min (Dependent on substrate, transport, resolution mode, signal strength)
Drop Size	7-16 pL
Ink	JETSCI iMCR Prime Pigment Black
Recommended Substrates	MICR Paper (CBS1 / MOCR) / Porous Paper / Light Coated
VDP Software Input Format	BMP, JPEG, PNG, TIFF, CSV, TXT, XLS, Database File, PDF Printing (Optional)
Drying	IR Drying (Optional) highly recommended
Optimum Temp & Humidity Range	18-28 degree C/40-60 percent
Electrical Requirements	220 V, 50-60 Hz, 10 A (Configuration dependent)

\*Above specifications are standard and does not apply to all systems. Please discuss the applications & requirements with our sales representative and consult our technical team before making any site preparation.

## JETSCI iMCR Prime Black Ink

JETSCI iMCR Prime Black Ink is a High Density Magnetic Nano Pigmented Ink formulated to achieve high quality prints. This ink is eco-friendly, non-volatile, non-flammable and generally not harmful.

- MICR Signal: Excellent
- Lightfastness: Excellent
- Waterfastness: Excellent
- Smudge Proof: Yes
- Shelf Life >12 months



### Why JETSCI

- Cost effective Solutions
- Extremely good support after sales
- Fastest turnaround time
- Minimum down time
- 100% Commitment based Results
- Flexibility to customers
- Customizable solutions
- Economical & Fastest returns on investment
- No unreasonable costs post warranty period
- Always work for 100% Customer Satisfaction



Scan the code and find more about JETSCI



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