MCS
INDUSTRIAL INKJET TECHNOLOGY

INDUSTRY LEADING SOLUTIONS FOR MAIL MANUFACTURING

Inkjet Addressing Solutions B/W and Color

Inkjet Web Printing Solutions B/W

Color Inkjet Page Printing Solutions

Marketing Mail Inserting Solutions

Transactional Mail Inserting Solutions

Card Attaching Solutions

Camera Matching Solutions

Comingle Solutions

MiCR Printing Solutions

INKJET ADDRESSING SOLUTIONS
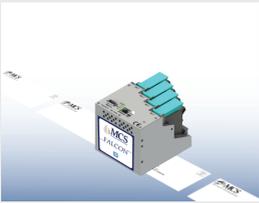
MCS Eagle 20, 30, 40 Models

Inkjet family offering state-of-the-art Kyocera Piezo technology.
Perfect for: High-Speed Addressing, Forms Printing, Barcode Printing
- High-speed and ultra-high-speed
- low ink cost and inks for all paper stocks
- 4 ¼" print area
- Water and UV options available

MCS Falcon

The most successful HP inkjet addressing system in the mail manufacturing industry.
- Low capital cost
- Easy to use
- Over 90 different types of ink including spot color
- Low maintenance

PROCESS COLOR SOLUTIONS

Merlin K146c

The world's first economically priced process color cut-sheet INKJET production press
- Color for the price of black & white laser
- Generate revenue up to $50,000 per month operating 1 shift
- Ease of use cutsheet format
- Low capital cost
- High reliability
- MiCR ink now available only from MCS

MCS Harrier

Low cost imaging process color inkjet
- Low ink cost
- Easy to use
- Highly reliable
- Can print vertically and horizontally
- 1200 DPI
- Up to 51" systems – 4.25", 8.5", and 12.75" print heads

MiCR Printing Solutions

Merlin K146M MiCR

The Merlin K146M MiCR is a low machine cost, low imaging cost, process color Inkjet with dedicated MiCR black "K" ink for high volume users.

- Low capital cost
- Low Imaging cost
- Same proven and highly reliable heads used by many production web presses
- Ideal for 300,000 to 2 million 8 ½ x 11 images per month

MCS Eagle 8540

The MCS family of Eagle inkjets offer a solid 8 ½" wide print head using piezo inkjet technology.
- Solid 8 1/2" page printing at an affordable price
- High-speed
- Low ink cost and inks for all paper stocks
- 600 dpi quality
- Up to 500 FPM

MCS Eagle 8580/Hayabusa

Inkjet over 2,000 letters per minute
- Ultra-High-Speed page printing up to 1,000 FPM
- Ease of Use - Low maintenance and simple to use
- Ink Flexibility - Inks for porous, coated and even aqueous coated stocks (over 10 black inks)
- Workflow - Supports PDF and IJPDS
- 600 dpi quality

MCS TK 500 and TK 1000

Inkjet web page printing system.
- No click charge—one of the lowest operating cost monochrome inkjet presses
- High-speed and ultra-high-speed
- Ink flexibility
- Printing flexibility
- Push button switch from duplex to simplex
- Full integration to pre/post equipment
- Specialty applications—including MiCR ink
- Increased uptime

INDUSTRIAL TRACKING SOLUTIONS

Perfect Track

MCS Perfect Track Tracking System is designed to help you add value to your mail process by increasing integrity and productivity.

- Integrity – Match Mailings, Read & Print, Output Verification, Electronic Double Detection, Insert Verification.
- Extensive logging of data including: time, date, operator name, machine ID, piece ID, and destination of piece.
- Compatible with most inserters, tip-on machines and all MCS inkjet technologies.
- Outside envelope messaging.

Output Camera Systems

MCS' Camera Systems help satisfy customer demands for mail integrity while giving your operation better efficiency. The Camera Systems' robust suite of features ensures that duplicates and mistakes are detected while quality control is maintained.

Transactional Mail Inserting Solutions

RIVAL

High-speed transactional inserter made for 3rd party service bureaus.

- High capacity 30k sheet feeder
- Highest integrity industry leading Direct Connect operating system
- Camera system for quality control and tracking
- Auto Fold

Feature	Specification
Max cycle speed per hour	12,000
Average cycle speed for jobs	8,000
Maximum Feeders	N/A
Automated Set-up	N/A
Optional input	Cut-sheet 30K Roll-fed N/A
Programable diverts	2
Auto tray sorting, IMB verification, 100% logging	Included

MSE

High-speed transactional inserter made for 3rd party service bureaus.

- High capacity 30k OR 50k sheet feeder
- Roll-in OR cut sheet
- Highest integrity industry leading Direct Connect operating system
- Camera system for quality control and tracking
- Auto Fold, Auto Gaping, TNT and P2L

Feature	Specification
Maximum Cycling Speed	#10 – 12,000 (14,000 optional) 6x9 – 12,000 Flats – 9,000
Envelope Sizes	A7 thru 10x13
Typical # of Insert Feeding Station	6
Feeding Technology	Friction/Rotary
Feeding Options	Roll-in OR cut sheet

ELEMENT

Compact, efficient, and easy-to-use high-speed inserter. The deal choice for short-run jobs, reprints, overflow, or manual work.

- Economical and low maintenance
- Minimize labor
- Built-in automation
- Continuous tray-loading
- Mail piece integrity
- Auto Fold, Auto Gaping, TNT, and P2L

Feature	Specification
Max cycle speed per hour	12,000
Average cycle speed for jobs	5,000
Automated Set-up	N/A
Optional input	Cut-sheet 30K Roll-fed N/A
Programable diverts	2
Auto tray sorting, IMB verification, 100% logging	Optional

EVOLUTION

Transactional inserter that efficiently handles various applications. Ideal for mid- and high-volume mailers with both high-page-count and short-run jobs.

- Built-in advanced automation
  - Fast and repeatable changeovers. Letters to 6 x 9 to optional flats jobs with minimal manual adjustments.
- Industry-leading Direct Connect operating system
- 100% mail piece integrity
- Highly flexible modular design

Feature	Specification
Max cycle speed per hour	14,000
Average cycle speed for jobs	10,000
Automated Set-up	Yes
Optional input	Cut-sheet 36/50K Roll-fed 50/72K
Programable diverts	2
Auto tray sorting, IMB verification, 100% logging	Optional

Epic

Ultra-high-speed inserter for 3rd party service bureaus

- Cycle up to 24,000 inserts per hour. Up to 400,000 pieces per day
- Electronic double detect
- All servo feeders
- Auto tray sorting conveyor

Feature	Specification
Maximum Cycling Speed - Inserts per hour	24,000
Average Net Throughput - Inserts per hour	24,000
Automated Set-up	Yes
Optional input	Cut-sheet 36/50K Roll-fed 50/72K
Programable diverts	4
Auto tray sorting	Standard
IMB verification, 100% logging	Optional

Marketing Mail Inserting Solutions

FlowMaster RS 24

Next generation FlowMaster with the latest features exclusively from MCS.
- PLC Upgrade - Enhanced controller with new features developed and supported by MCS
- Advanced centralized electronics integration
- LED indicator lights for jam detection, low material warning, and illumination for setup
- Light Tree – Intelligent notification of production rates and operating status
- Perfect Sort – Automatic postal tray offsetting, output logging, image capture
- Cut-sheet input option available

Feature	Specification
Max cycle speed per hour	12,000
Average cycle speed for jobs	10,000
Maximum Feeders	6
Automated Set-up	N/A
Optional input	Cut-sheet 30K Roll-fed coming soon
Programable diverts	2
Auto tray sorting, IMB verification, 100% logging	Included

RS Smart

A premium high-speed inserter specifically designed for marketing mail

- 6 Feeders standard with an option for up to 18 available
- 8,000 to 11,000 Pieces per hour

- A7 to 10x13
- Dual Servos in each feeder
- Vacuum and suction envelope feeder
- MCS inkjet for read & print available
- Ease-of-use operating system

Feature	Specification
Max cycle speed per hour	14,000
Average cycle speed for jobs	12,000
Maximum Feeders	18
Automated Set-up	N/A
Optional input	Cut-sheet 30K Roll-fed 50K
Programable diverts	2
Auto tray sorting, IMB verification, 100% logging	Included

Epic

The most advanced inserting technology. Ultra-high-speed inserter designed for marketing mail manufacturers handling the widest range of direct mail applications

- Automated job setup
- On-edge tray auto sorting conveyor (A7, #10, 6x9, #14)
- Cycle up to 24,000 PPH
  - Up to 130,000 letters per 8-hour shift
- Automated QC features: tray sorting, IMB verification, and logging

Feature	Specification
Max cycle speed per hour	24,000
Average cycle speed for jobs	24,000
Maximum Feeders	18
Automated Set-up	Yes
Optional input	Cut-sheet 30/50K Roll-fed 50/72K
Programable diverts	4
Auto tray sorting, IMB verification, 100% logging	Included

PLASTIC CARD SOLUTIONS

MCS Osprey 26 & 72 UV Inkjets

High quality imaging for plastic and films.
- 26 pl drop size – ideal for plastic cards, barcodes & small characters
- 72 pl drop size – ideal for plastic cards, solid fills & large characters
- Osprey 72 – perfect for white ink
- 400 dpi Quality
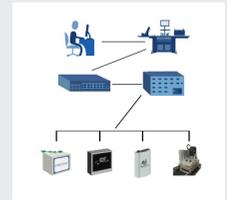- 16,000 PPH (Osprey 72) and 24,000 PPH (Osprey 26)

SOFTWARE SOLUTIONS

MCS Raptor Software

One unified workflow driving HP, Fuji, and Kyocera inkjet technology.
Supports any combination of MCS inkjet technology including:
- MCS Falcon Inkjet
- MCS Osprey Inkjet
- MCS Eagle Inkjet
- MCS Condor Process Color Inkjet
- Up to 34" of print in any combination

MyFont

Randomized Handwriting Font. Address mail with real handwriting using MCS Raptor inkjet controller software.
- Print at full-speed while randomizing the characters.
- Print addresses in Ballpoint Blue ink for greater response rates and IMBs in black ink for postage cost savings

Over 30 Years of Solutions from MCS

- Inkjet Solutions from 250 FPM up to 1,000 FPM
- Monochrome or process color inkjet solutions
- Engineering, Software, Manufacturing and Support ALL from MCS
- High-Speed and Ultra-High-Speed Inserting Solution for 1st Class Transactional and Marketing Mail manufacturers
- Industry leading camera and tracking systems for highest level integrity and reporting
- Nationwide Technical Support Team
- Nationwide References from the TOP mailshops
- Specialists to configure the RIGHT solution for you