

# 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

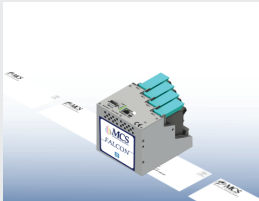
### MCS Eagle 20, 30, 40 Models



- 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 1/4" 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



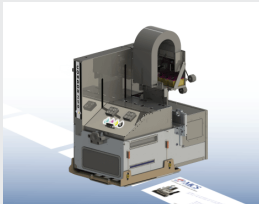
## PROCESS COLOR SOLUTIONS

### 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 Condor 250 Inkjets



- Process color read and print
- Process color imaging on envelopes now with ICC profiling
  - Solid 4 1/4" print area
  - Speeds up to 16,000 pph
  - Ideal for high-speed inserting or as stand-alone
  - 600 dpi Quality



## MiCR Printing Solutions

### Merlin K146M MiCR

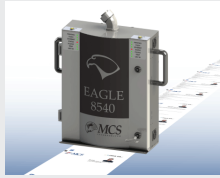


The Merlin K146M MiCR is a low machine cost, low imaging cost, process color Inkjet with dedicated MiCR black "K" ink for high volume users.

- 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 1/2 x 11 images per month

## PAGE PRINTING MONO COLOR SOLUTIONS

### MCS Eagle 8540



The MCS family of Eagle inkjets offer a solid 8 1/2" 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

### TK 8540 or 8580 Hayabusa



Low-cost high-quality page printing on web presses.

- Up to 1,000 FPM
- Stock Flexibility – print on aqueous coated, label stock, up to 12pt stock and uncoated stock
- Industry leading darkest black ink with multiple formulations available
- Solid 8 1/2" page printing at an affordable price.
- Low imaging costs that are 75% to 95% less than toner.
- 600 dpi variable drop size quality \*w/ PDF option.

## 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.

# Marketing Mail Inserting Solutions

## FlowMaster RS 24



Next generation FlowMaster with latest features available only from MCS

- PLC Upgrade – Enhanced controller with new features developed and supported by MCS
- Advanced Electronics – New centralized electronics integration
- LED Indicator Lights – Lights for jam detection, low material warning and illumination for setup
- Light Tree – Intelligent notifications. Enhanced visibility of production rates and operating status
- Perfect Sort – Low cost automatic postal tray offsetting, output logging, image capture

Feature	Specification
Average Net Production - #10 PPH	8,000 to 11,000
Envelope Sizes	A7 to 10x13
Electronic Double Detect	Standard in Feeder 1 with option for up to 8
9' Conveyor w/ Autosort	Standard to 10x13
Diverts	2 Standard - User defined
Feeders	6 Friction feeders standard

## MailStream Direct 26K



Highest productivity inserter designed for marketing mail manufacturers.

- Average net production 16,000-23,000 PPH and 400,000 Pieces per day
- Electronic double detect
- Programmable diverts
- On-Edge stacker with tray autosort
- Servo friction feeders standard - 4 or 6
- Envelope feeder at front of machine - up to 3,000 envelopes

Feature	MailStream Direct 26k
Maximum Cycling Speed - PPH	26,000
Average Net Throughput envelopes per hour	16,000-23,000
Average Net Throughput envelopes per day	400,000
Envelope Sizes	#9 to #11
Typical # of Inserting Feeding Stations	6
Feeding Technology	Friction/Rotary

## Epic Select and DM



Ultra-high-speed inserter designed for marketing mail manufacturers handling

the widest range of direct mail applications

- Cycle up to 24,000 eph. Up to 400,000 envelopes per day
- Low maintenance cost due to fewer moving parts than other ultra-high-speed inserting technologies
- Automated envelope insert set up
- Electronic double detect
- Up to 10x13 (Epic DM only)
- Auto tray sorting conveyor

Feature	Specification
Maximum Cycling Speed-#10 PPH	24,000
Average Net Throughput-#10 eph	20,000
Envelope Sizes	Up to 10x13 (Epic DM only)
Diverters	Four user defined
Job Setup	Automated (Epic DM only)
Feeding Technology	Friction/Rotary
Typical # of Insert Feeding Stations	4 or 6

# 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
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

## 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

## MailStream Productivity Series

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



• Cycle up to 26,000 PPH

- Roll or cut sheet input
- Direct Connect integrity for matching and statement processing
- Track through the entire line with reporting
- Electronic double detect
- Auto tray sorting conveyor

Feature	Specification
Maximum Cycling Speed - Inserts per hour	Cycle up to 26,000 inserts per hour
Average Net Throughput - Inserts per hour	20,000
Envelope Sizes	#9 to #11
Diversers	Four user defined
Job Setup	Roll or cutsheet
Barcode Reader	2D Barcode reader standard
Feeder Technology	Friction/Rotary
Factory Rebuilt	

## 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	20,000
Envelope Sizes	#9 to 10x13
Diversers	Four user defined
Job Setup	Automated
Barcode Reader	2D Barcode reader standard
Input	Cutsheet or Roll
Feeder Technology	Friction/Rotary

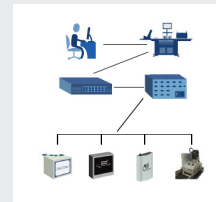
## SOFTWARE SOLUTIONS

### 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

## CARD AFFIXING 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)



## COMINGLE SOLUTIONS

### Vantage Sorter



Sorting systems that are flexible and customizable to meet the specific needs of your organization. Combining speed, flexibility, intelligence and durability to achieve consistent overall throughput.

- Savings of \$12 to \$20/M by comingling
- Net more than 20% per hour vs competition
- 40,000 cycle speed per hour with a net of 28,000 PPH



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