MCS
INDUSTRIAL INKJET TECHNOLOGY

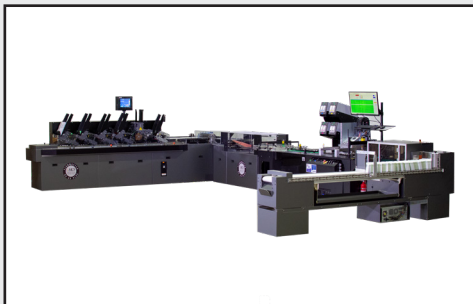**Industrial Inkjet Solutions**
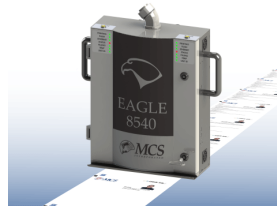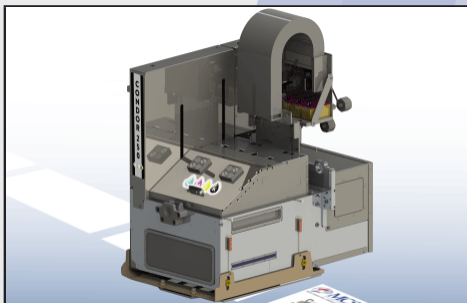

High-Speed Page Printing Solutions

Inserting & Finishing Solutions

Industrial Tracking Solutions
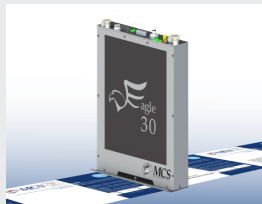

Process Color Inkjet Solutions

Process Color Inkjet Solutions
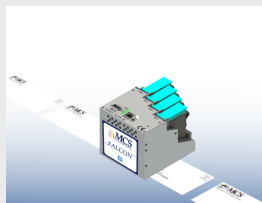
www.mcspro.com

INKJET ADDRESSING SOLUTIONS

MCS Eagle 20, 30, 40 Models

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

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

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

PROCESS COLOR SOLUTIONS

Merlin K146c

The world's first economically priced process color cut-sheet INKJET production press
- Low capital cost
- No Clicks – Industry leading shared maintenance program
- Low imaging costs that are 75% to 95% less than toner.
- EFI Color RIP

MCS Condor 250 & 500 Inkjets
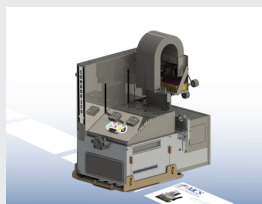
Process color read and print at speeds up to 32,000 pph
- Process color imaging on envelopes
- Solid 4 ¼" print area
- Speeds from 16,000 to 32,000 pph
- Ideal for high-speed inserting or as stand-alone
- 600 dpi Quality

PAGE PRINTING MONO COLOR SOLUTIONS

MCS Eagle 8500

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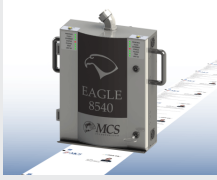- High-speed
- Low ink cost and inks for all paper stocks
- 600 dpi quality

Hayabusa

Inkjet over 2,000 letters per minute
- Ultra-High-Speed - Page printing at over 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 17

Low cost high quality page printing on web presses.
- Solid 8 1/2" page printing at an affordable price.
- High-Speed.
- Low imaging costs that are 75% to 95% less than toner.
- 600 dpi variable drop size quality
  *w/ PDF option.

INDUSTRIAL TRACKING SOLUTIONS

Perfect Match 10 Tracking System

MCS Perfect Match 10 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 20 Plus

Next generation high-speed inserter with more standard features for the marketing mail industry

- Average net production 8,000 to 11,000eph. Up to 180,000 envelopes per day
- Electronic double detect
- IMB address block verify divert system
- On edge stacker with tray autosort
- Two programmable diverts standard
- All servo feeders – no clutch
- Envelope Size: A7 thru 10×13

Feature	Specification
Average Net Production-#10 eph	8,000 to 11,000
Envelope Sizes	A7 to 10x13
Electronic Double Detect	Standard in feeder one with option for up to 8 including envelope feeder
On-Edge Stacker w/auto Tray Sort	Standard to 6x9
Diverts	2 User defined
Turnover	Turn/No Turn turnover belt
Feeders	6 Servo Friction feeders standard. No clutch feeders

MailStream Direct 22K & 26K

Highest productivity inserter designed for marketing mail manufacturers.

- Average net production 12,000-19,000 eph and 380,000 epd (22k) and 16,000-23,000 eph and 400,000 epd
- 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 22k	MailStream Direct 26k
Maximum Cycling Speed-envelopes per hour	26,000	26,000
Average Net Throughput envelopes per hour	12,000-19,000	16,000-23,000
Average Net Throughput envelopes per day	380,000	400,000
Envelope Sizes	#9 to #11	#9 to #14
Typical # of Inserting Feeding Stations	6	6
Feeding Technology	Friction/Rotary	Friction/Rotary

Epic Direct Mail

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
- Electronic double detect
- Up to 10×13
- Auto tray sorting conveyor

Feature	Specification
Maximum Cycling Speed-#10 eph	24,000
Average Net Throughput-#10 eph	20,000
Envelope Sizes	Up to 10x13
Diverters	Four user defined
Job Setup	Automated
Feeders	5 Friction and 1 Rotary. Additional feeders optional. Up to 9 feeders optional

Transactional Mail Inserting Solutions

FTS

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

- High capacity sheet feeder - up to 30,000 sheets
- Six Servo friction feeders standard
- Highest integrity Direct Connect operating system
- Camera system for quality control and tracking

Feature	Specification
Maximum Cycling Speed - Based on 3 page accumulation	#10 - 12,000 (14,000 Optional) 6x9 - 12,000 Flats - 9,000
Maximum Net Throughput - Based on 3 page accumulation	#10 - 8,200 6x9 - 8,200 Flats - 5,000
Envelope Sizes	A7 thru 10x13
Typical # of Insert Feeding Station	6
Feeding Technology	Friction / Rotary

MailStream Productivity Series

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

- Cycle up to 26,000 inserts per hour. Up to 400,000 envelopes 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 #11
Diverters	Four user defined
Job Setup	Roll or cutsheet
Barcode Reader	2D Barcode reader standard
Input	5 Friction and 1 Rotary. 4 and 9 feeders optional
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
Diverters	Four user defined
Job Setup	Automated
Barcode Reader	2D Barcode reader standard
Input	Cutsheet or Roll
Feeders	5 Friction and 1 Rotary. 4 and 9 feeders optional

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
- Stand alone 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

MCS Edge Solution

- Increase Productivity by having equipment "talk" to upstream equipment to increase demand so equipment is not idle.
- Increase Quality by tracking which equipment runs a job type most efficiently.
- Increase Availability by tracking alarms and make smart decisions on preventive maintenance.
- Real time events drive data to ERP, MES, and other operational systems.
- Cloud Solution provide visibility across all sites world wide.
- Increase Operational efficiency by dynamically reallocating jobs when a system goes down.

MCS is the leading solutions provider for Industrial Inkjet Systems, Industrial Tracking Systems High-Speed & Ultra-High-Speed Inserting and Finishing Equipment used in the mail manufacturing industry.

We serve the professional mailing industry with the widest selection of product offerings for highspeed addressing, high-speed and ultra-high-speed inserting and forms printing.

Our direct sales, partners and nationwide support staff offer quick response and expert advice to help you maximize your investment.

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