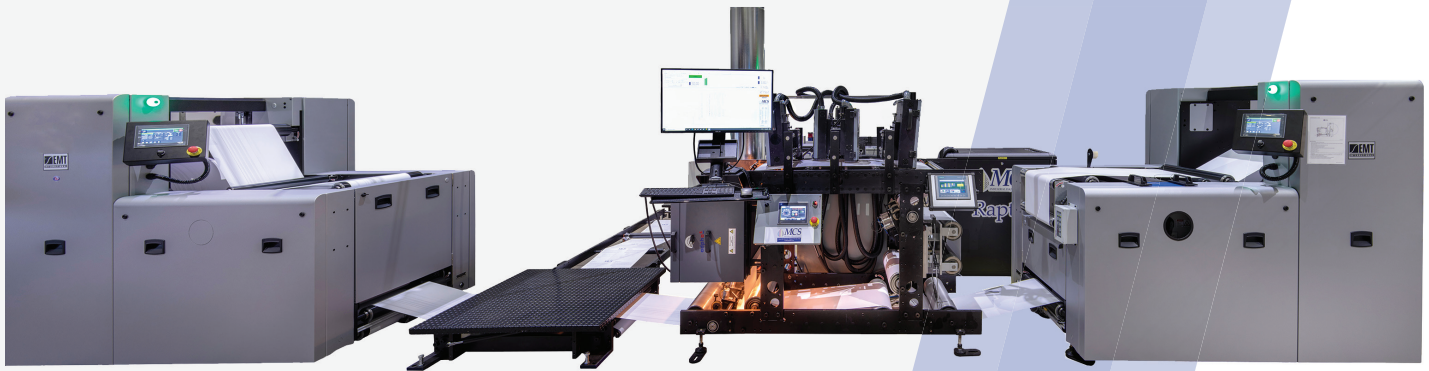


**MCS**  
INDUSTRIAL INKJET TECHNOLOGY

## TK 500 EAGLE & TK 1000 HAYABUSA INKJET WEB PAGE PRINTING SYSTEMS



# TK 500 EAGLE & TK 1000 HAYABUSA

Inkjet Web Page Printing Systems

## MCS TK 500 Eagle & TK 1000 Hayabusa Inkjet Web Page Printing Systems:

High-Speed and Ultra-High-Speed, high quality page printing on web presses

- No click charge - one of the lowest operating cost monochrome inkjet presses.
- High-Speed and Ultra-High-Speed
  - TK 500 Eagle - Up to 500 FPM
  - TK 1000 Hayabusa - Up to 1,000 FPM
- Ink Flexibility
- Printing Flexibility
- Specialty Applications - Including MiCR ink
- Increased up time



### TK 500 and TK 1000 Simplex Systems

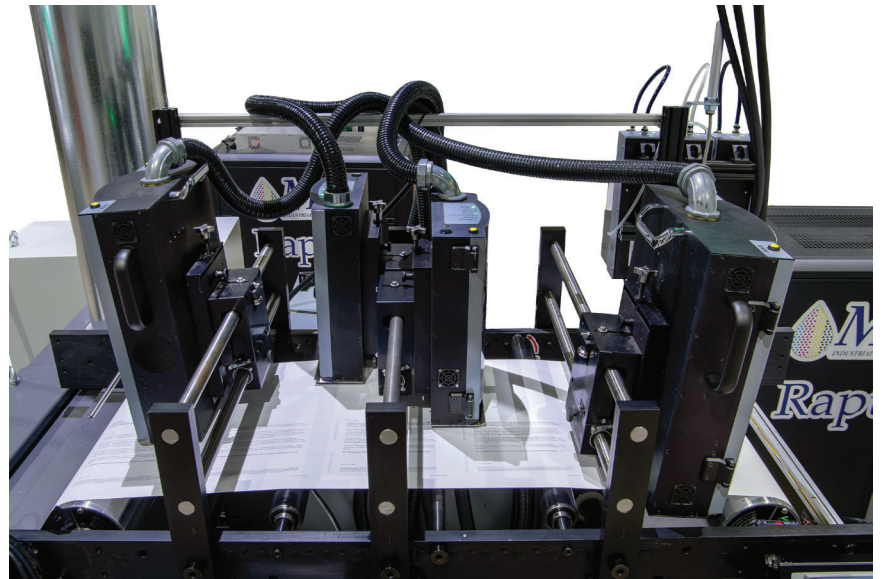
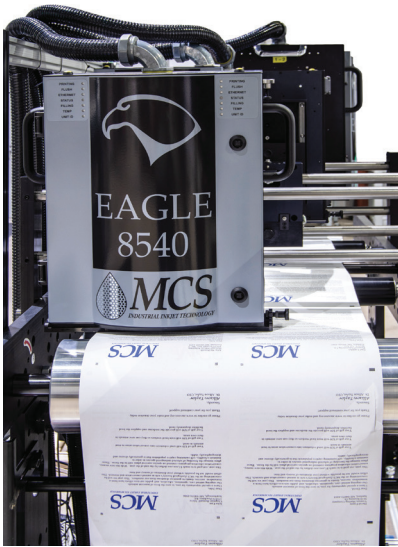
- Inkjet Web Print System
  - 500-1,000 FPM
- Raptor Modular Inkjet Controller Cabinet
- Software
- Printheads to support 17" of print
- Tight web

### TK 500 and TK 1000 Duplex Systems

- Inkjet Web Print System
  - 500-1,000 FPM
- Raptor Modular Inkjet software Controller Cabinet
- Printheads to support 17" of print
- Tight web
- Turnbar
- Walkway
- Perfect Track for side 2 verification

### TK 500 and TK 1000 OPTIONS:

- Pre and Post Equipment
- Full integration with most 3rd party manufacturers
- Drying Solutions
- Perfect View Camera for QC



## Ink Flexibility:

- Multiple ink options-Over 10 sets available
- Dye
- Pigment
- Polymer pigment inks
- Spot Colors
- Users are able to change ink formulas between jobs
- Best in flexibility and cost

## Stock Flexibility

- Print on a wide variety of substrates
- Image on stocks that no other inkjet can touch
- Uncoated – Smooth, Super Smooth
- Coated – Matte, Dull, Gloss
- Inkjet Treated and Untreated
- Coatings – Aqueous, UV
- Label Stock
- Variable substrate weights 50lb to 12pt

## Features

- Large touchscreen
- Lower power requirements on the inkjet web print system
- Full integration to pre/post equipment
- Perfect View Camera for QC
- Push button simplex & duplex set-up
- Music for alarms – stop, start, safety
- Precise web tension control

## Raptor Modular Inkjet Controller Cabinet



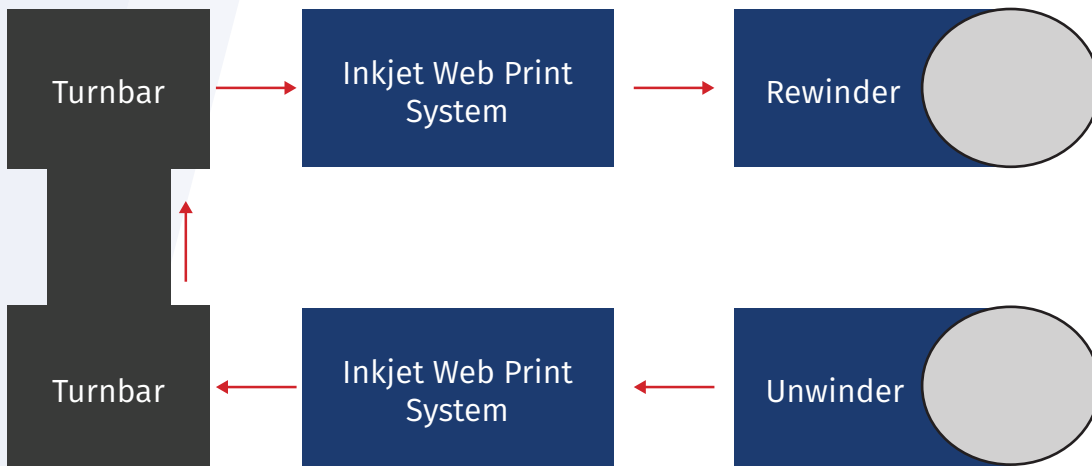
# TK 500 EAGLE & TK 1000 HAYABUSA

Simplex and Duplex Line Configurations

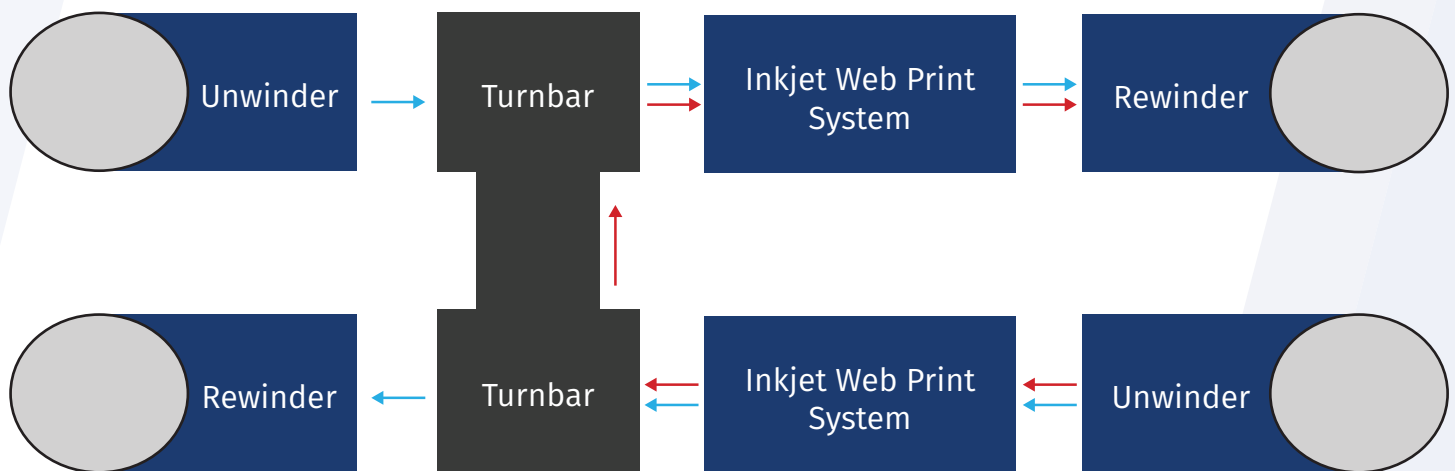
## Simplex



## U Shape Configuration Duplex

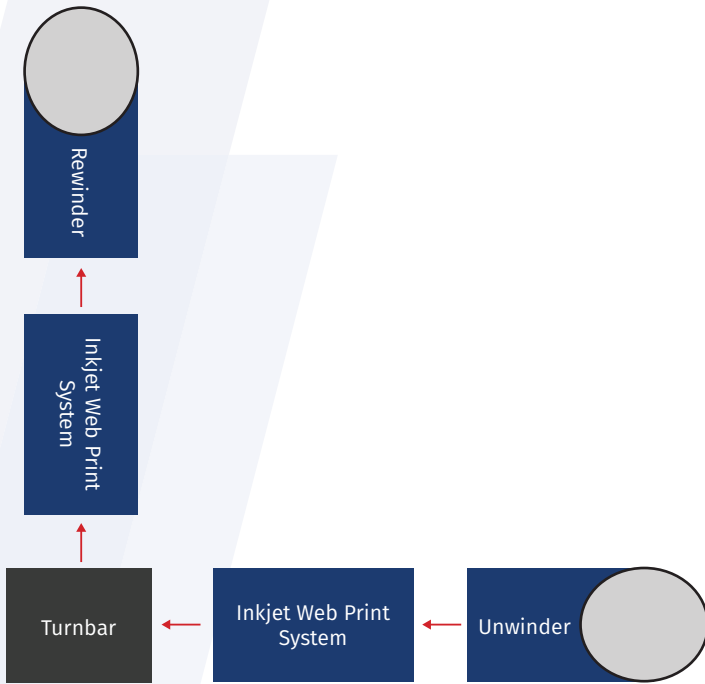


## U Shape Configuration Duplex or 2 Simplex Lines

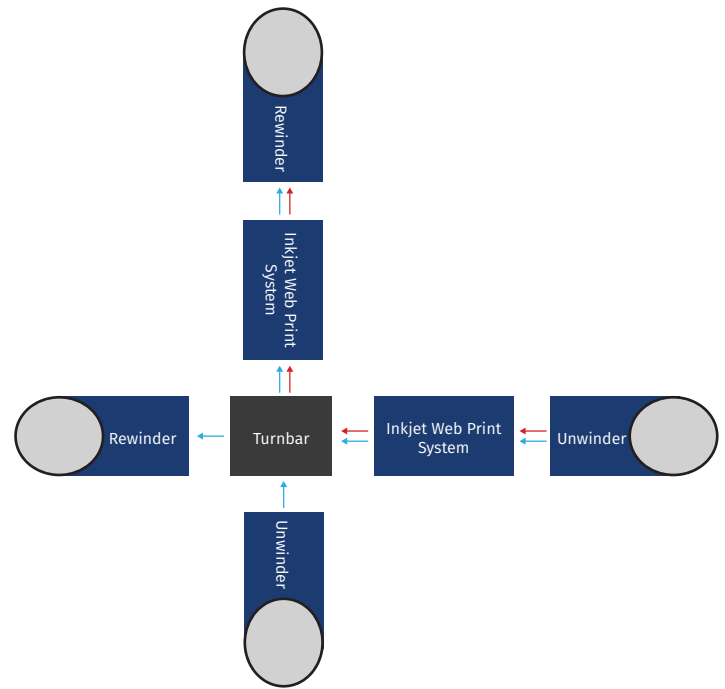


Push button switch Duplex to two Simplex

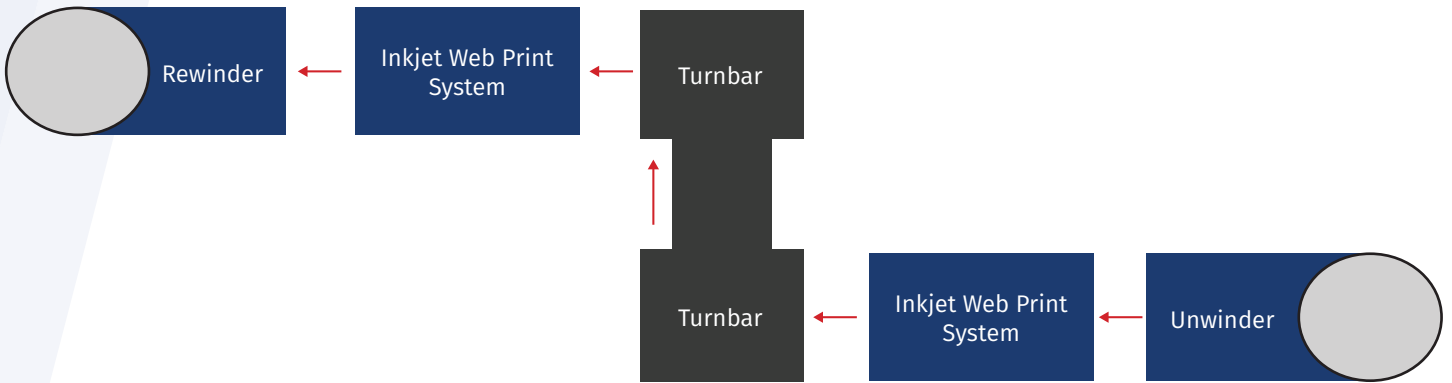
### L Shape Configuration Duplex



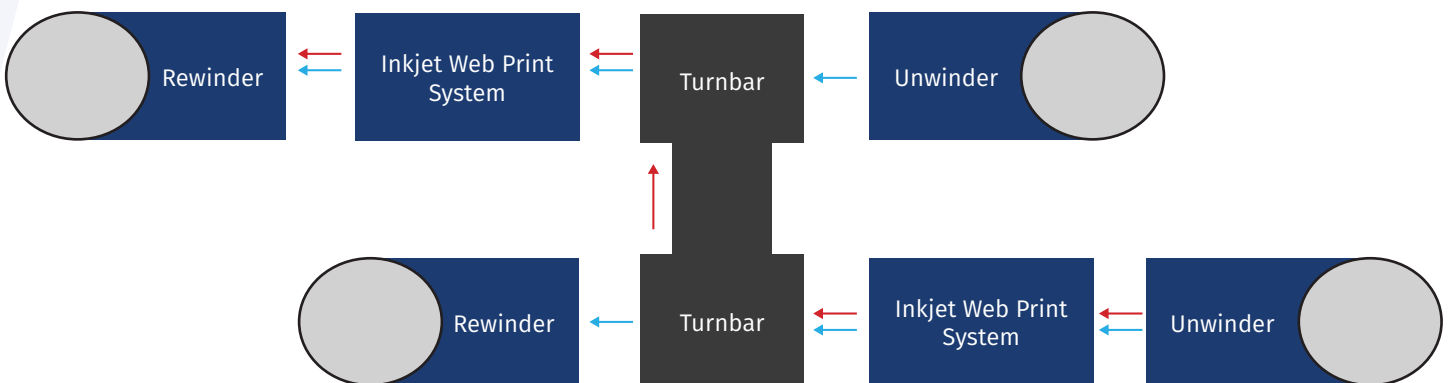
### L Shape Configuration Duplex or 2 Simplex Lines



### Stagger Configuration Duplex



### Stagger Configuration Duplex or 2 Simplex Lines



Push button switch Duplex to two Simplex

Specifications			
Maximum Paper Width	20"		
Maximum Transport Speed	1,333 fpm		
Simplex / Duplex Print Head Configurations	Standard Simplex Configuration: 2 x 8.5" Print Heads Optional Duplex Configuration: Additional 2 x 8.5" Print for reverse side		
Operating Speeds / Resolutions	<b>TK 1000 HAYABUSA</b> 1,333 fpm* ( 600 x 300 DPI) 1,000 fpm (600 x 400 DPI) 667 fpm (600 x 600 DPI)	<b>TK 500 EAGLE</b> 667 fpm* ( 600 x 300 DPI) 500 fpm (600 x 400 DPI) 333 fpm (600 x 600 DPI)	
Throughput 8.5 x 11 letters per hour (lph) (simplex)**	<b>TK 1000 HAYABUSA</b> 174,000 lph* (600 x 300 DPI) 130,000 lph (600 x 400 DPI) 86,000 lph (600 x 600 DPI)	<b>TK 500 EAGLE</b> 87,316 lph* (600 x 300 DPI) 65,455 lph (600 x 400 DPI) 43,593 lph (600 x 600 DPI)	
Maximum Paper Weight	100 lb cover (Up to 12 pt)		
Inkjet Resolutions	Variable Drop Size for Gray-Scale 600x600 DPI 600x400 DPI 600x300 DPI	Variable Drop Size for Gray-Scale 600x600 DPI 600x400 DPI 600x300 DPI	
Workflows / Documents accepted	PDF & IJPDS Workflows. MCS Raptor Native Workflow.		
Document Registration / Top of Form Indicator	Registration Marks, Pin Feeds, Other Optional Sensors		
Electrical (excluding dryers)	240 V 3 Phase 30 AMP		
Electrical (for Dryers)	480 V 3 Phase 80 AMP		
Inline Integration	Tight Web Integrate with: • High-Speed Cutters (MBO, Hunkeler, etc) • Perf units, Unwinder, Rewinder		
Options	Simplex / Duplex MICR Print Heads Spot Color Multiple configuration floor layouts		
* Print speeds are higher but recommended limit of transport is 1,000 fpm. ** Duplex speeds result in exactly twice the number simplex pages and the number of duplex sheets is the same as the number of simplex pages			



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