MCS TK 1730 and TK 1740 Inkjet Web Printing Systems

MCS TK 17 Inkjet Web Printing System

TK 1730: Low cost, high-quality, page printing on web presses
TK 1740: High quality, high-speed, page printing on web presses

The MCS Difference

The MCS TK 1730 and TK 1740 Inkjet Web Systems are engineered to maximize the print quality of MCS inkjet print heads on web based systems. The TK 1730 and TK 1740 work with most existing web configurations including presses, bindery lines, or standalone systems.

With MCS Eagle large print width, the TK 17 is ideal for:
- 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 quality *variable drop size quality w/ PDF option on TK 1740

Inkjet Options

With MCS Eagle large print width, the TK 1730 and TK 1740 are ideal for:
- Letters
- Labels
- Barcodes
- Self-mailers

Optional Configurations

Bindery
- Roll to Roll
- Roll to cut
- Roll to cut to fold

Presses
- In-line with forms press
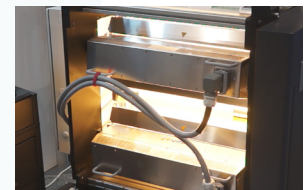- In-line with flexo press

Imaging Savings

Inkjet imaging offers flexible imaging configurations at 50 to 90% less imaging cost than comparable toner technology. With inkjet imaging, you pay for the imaging that you use, no click fee.

TK 17 Specifications

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Maximum Paper Width	20"	
Maximum Transport Speed	500 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	
Typical Operating Speeds / Resolutions	TK 1740 667 fpm* (600 x 300 DP) 500 fpm (600 x 400 DPI) 333 fpm (600 x 600 DPI)	TK 1730 500 fpm (600 x 300 DPI) 375 fpm (600 x 400 DPI) 250 fpm (600 x 600 DPI)
Typical Throughput 8.5 x 11 pages per hour (simplex)**	TK 1740 87,316 pph* (600 x 300 DPI) 65,455 ppm (600 x 400 DPI) 43,593 ppm (600 x 600 DPI)	TK 1730 65,455 ppm (600 x 300 DPI) 49,091 fpm (600 x 400 DPI) 32,727 fpm (600 x 600 DPI)
Maximum Paper Weight	100 lb cover (10-11 pt)	
Inkjet Resolutions	Variable Drop Size for Gray-Scale 600x600 DPI 600x400 DPI 600x300 DPI	Constant Drop Size 600x600 DPI 600x400 DPI 600x300 DPI
Workflows / Documents accepted	PDF Workflow and 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 30 AMP (2 for Duplex)	
Inline Integration	Tight Web and Loose Web options Integrate with: • High Speed Cutters (MBO, Hunkeler, etc) • Loose web pre & post – Spedo, RSI, ESP, etc. • Flexo and offset presses	
Options	Simplex / Duplex MICR Print Heads Invisible Ink Printing & Tracking	

* Print speeds are higher but recommend limit of transport is 500 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

Drier Option

The TK17 is designed to handle all popular stocks used by mail manufacturers. It utilizes a combination of specially designed nano-polymer inks along with Near-Infrared Drying technology. The result of several years of development now gives the customer the capability to:

- Print on high gloss, aqueous coated stocks at fullspeed.
- Print on coated label stock with full adhesion andwithout adverse impact to heat-sensitive glues.
- Print on uncoated and offset coated stocks tocreate richer blacks than traditional inkjet.