Reach new performance heights with the New HP-based Inkjet Sytem

Falcon Technical Specifications

Maximum Throughput:	Up to 36,000 PPH
Resolution and Speeds:	Up to 600 DPI: 600 X 600/300/150 DPI 600 X 600 @ 25 inches/second (125 FPM) 600 X 400 @ 50 inches/second (175 FPM) 600 X 300 @ 50 inches/second (250 FPM) 600 X 200 @ 75 inches/second (375 FPM) 600 X 150 @ 100 inches/second (500 FPM)
Print Width:	2" - 24"
Onboard Controllers:	Daisy-Chainable via Gigabit Ethernet; use together or as separate systems
Print Head Sizes:	2" and 4" in any number up to 24"
Ink Cartridges:	Hewett-Packard 51645A - style (1/2" print each @ 600 nozzles per inch)
Read-Print:	Interface to the MCS Perfect Match System
Enhanced Print Accuracy:	Exclusive "Encoder Translator" feature enhances quality and positional accuracy
MCS Raptor Controller Software is Included:	• 600 DPI Enhanced Technology Rasterization™ (ETR) • Optional PDF workflow • WYSIWYG job layout • Variable Data VIA Database or internal counter capabilities • Remote job setup • Electronic job proofing • Windows 7 compatible • Compatible with True-Type fonts • All popular barcodes including IMB, QR, GS1 Databar as well as most inline and 2D barcodes • Unlimited conditional bitmaps • Graphic rotation and scaling — even for variable elements
Enhanced I/O Module:	• Increased capabilities for integrating with auxiliary equipment

The New MCS Falcon™ Imager

- **More productivity, more possibilities**
- **The leading HP-based Inkjet technology for the next decade**

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Call 800-728-0154   www.mcspro.com

MCS Also Offers:

Inkjet Printers   Digital Presses   Camera Systems

www.mcspro.com

The MCS Falcon™ Imager is the next generation of HP-based Inkjet from MCS.

Low capital cost – with the most advanced features

The Falcon is the third generation of HP-Based inkjet systems from MCS. Building on a foundation of more than 3,000 printers serving customers worldwide, the Falcon is the overwhelming low-cost choice for industrial inkjet printing.

With the robust industrial print cartridge technology from HP, this newest print head family offers quality printing characteristics with all new value opportunities for industrial printers. Replaceable print cartridges allow for fast response to changing job requirements such as aqueous coated stocks, spot colors and situations requiring special inks. In addition, the well-known 45A-style print cartridges are competitively priced through many quality suppliers, including Think Ink, Inc.

The all new MCS Raptor™ controller software is included

New features such as
- PDF workflow, 600 DPI.
- Enhanced Technology Rasterization (ETR™).
- Increased native barcode capabilities.
- Object-selectable ink-saving modes.
- Windows 7 compatibility all come at no extra cost. The rich features from MCS that are a standard in the industry – including local and remote WYSIWYG job setup, electronic print proofing, variable graphics and True-Type font capability – are standard with the MCS Raptor software.
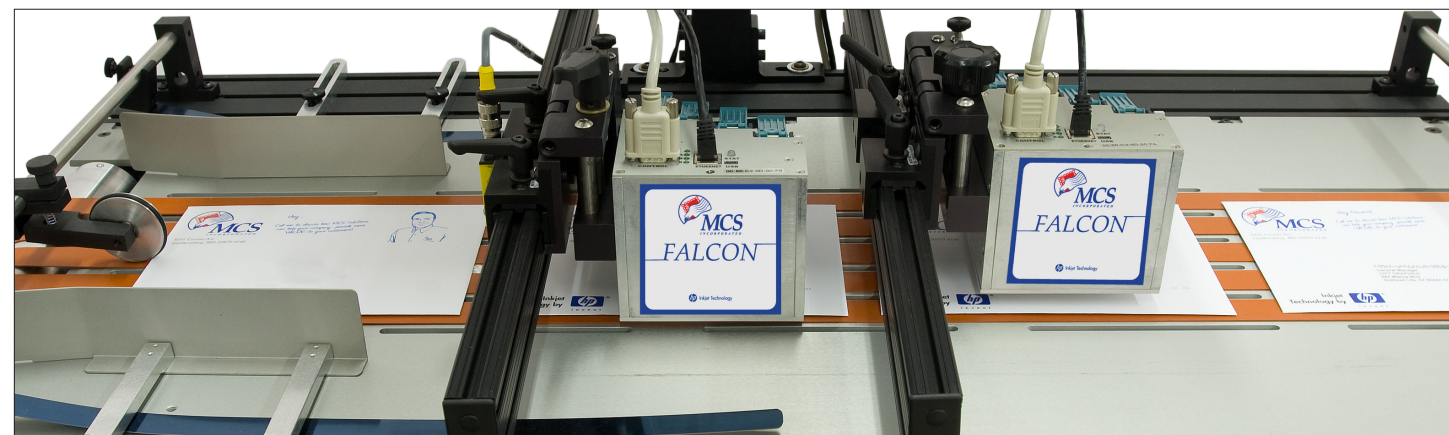
New Hardware Advances

The MCS Falcon printers are driven by Gigabit Ethernet technology with bandwidth capability to drive 24" of print! The modular print head setup allows users to reconfigure set up in a method using standard connectivity including Ethernet cabling. The industry standard Ethernet protocol eliminates the need for expensive computer PCI or adapter cards. The Windows PC is a standard configured system without custom requirements from MCS. In addition, the system is now compatible with the MCS Eagle Piezo printheads through the common MCS Raptor controller software.

Of course, the new Falcon firmware provides new advances in Input/Output capabilities and can trigger external auxiliary items such as sorting conveyers.

A System That Will Expand With You

Each MCS Falcon printer can be expanded, in modules, up to a total of 24" of print. In addition, a customer can add or combine multiple MCS Eagle Inkjet printers with multiple MCS Falcon systems to bring into reach more high-value applications. The risk of having an obsolete configuration is eliminated! While many customers use these systems on stand-alone transports such as mailing systems, a growing number of customers are integrating with bindery lines, folders and more.

Summary Of Features of MCS Falcon printers combined with MCS Raptor Software:

- 600 DPI Enhanced Technology Rasterization™ (ETR) – Crisper fonts and graphics.
- Up to 24" of Falcon Print width – and up to a total of 25" of print width including Eagle Systems.
- Non-Proprietary Gigabit Ethernet connectivity.
- Optional PDF Workflow.
- Advanced WYSIWYG job layout, Remote Job Setup and Electronic Print Proofing.
- Advanced Variable graphics and text.
- Combined Falcon/Eagle systems under one umbrella.

Seamlessly Connect To The MCS Perfect-Match Family Of Camera System Products

Create any combination of Matching and Printing. The MCS Falcon and Eagle printers, along with MCS Raptor software work hand-in-hand with MCS Perfect Match systems. Typical applications include Read-and-Print applications on inserters and multiple print heads and cameras on attaching systems.

MCS Transport Bases:

MCS 330 Transport - Perfect for inkjetting in-line with inserters	
Length	36"
Width	30.5"
Paper Path Width	18"

MCS 530 Transport - Built in dryer extension	
Length	74"
Width	30.5"
Paper Path Width	18"

MCS Dryers:

Dryer	
S-900H	High power and high efficiency compact near infrared -- 6400 Watts (Approx.)