

# COLD FOIL



THE FOIL EXPERTS

## The Fully Automatic Eco-Eagle Cold System



The Future in Print Enhancement Equipment

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# “Innovation distinguishes between a leader and a follower”

- Steve Jobs founder and CEO of Apple Computer

In the printing industry the term “**Innovation**” is used to represent a company that provides services and solutions which distinguishes them from their competition. **Innovation** goes beyond the traditional business of putting ink on paper. It means having a customer oriented culture and dedication to provide creative ideas and deliver products that jump off the paper. It is **innovation** that drives industry leading companies to gain and maintain their competitive advantage.

For over 25 years, **Eagle Systems** has been the world leader in foil enhanced printing, built on a reputation of advanced technology, quality, reliability and service. The **Eco-Eagle Cold Foil System** is built with the same dedication to innovation. The expertise of the Eagle staff and equipment line brings the most professional installation both in esthetics and more importantly, ease of operations and functionality, bringing the highest and quickest (ROI) in the industry.

The **Eco-Eagle Cold Foil System** creates brilliant and exciting foil effects that “pop” off the paper.

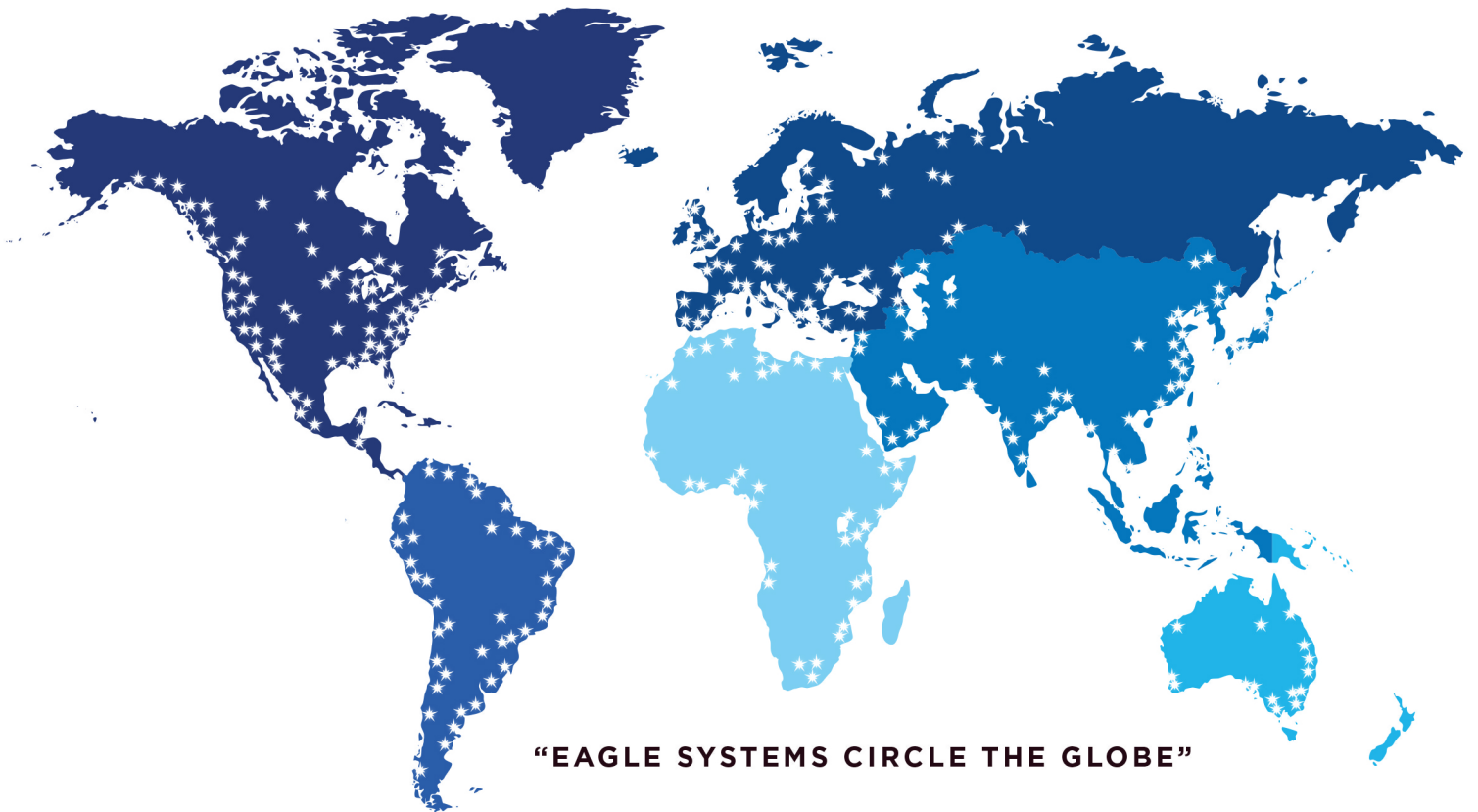


# Eco-Eagle Cold Foil Limitations are only your imagination.



C0 • M0 • Y60 • B0	C0 • M60 • Y100 • B0	C0 • M100 • Y50 • B0	C35 • M100 • Y0 • B0	C70 • M100 • Y0 • B0	C90 • M70 • Y0 • B0	C100 • M20 • Y5 • B50	C100 • M5 • Y55 • B10	C80 • M5 • Y100 • B50	C25 • M30 • Y35 • B75
C0 • M0 • Y90 • B0	C0 • M70 • Y100 • B0	C0 • M70 • Y100 • B0	C25 • M80 • Y0 • B0	C70 • M100 • Y5 • B40	C90 • M50 • Y0 • B0	C100 • M5 • Y15 • B20	C100 • M15 • Y60 • B50	C70 • M0 • Y100 • B25	C20 • M30 • Y30 • B60
C0 • M25 • Y100 • B0	C10 • M80 • Y100 • B15	C20 • M100 • Y35 • B45	C40 • M100 • Y0 • B0	C75 • M100 • Y0 • B5	C100 • M75 • Y5 • B15	C100 • M15 • Y20 • B45	C85 • M0 • Y60 • B0	C60 • M10 • Y95 • B65	C30 • M45 • Y35 • B80
C0 • M15 • Y100 • B0	C0 • M70 • Y80 • B0	C0 • M100 • Y25 • B5	C40 • M100 • Y5 • B25	C80 • M100 • Y0 • B0	C45 • M0 • Y0 • B0	C95 • M20 • Y35 • B75	C100 • M0 • Y75 • B0	C60 • M0 • Y100 • B20	C40 • M25 • Y40 • B70
C10 • M30 • Y100 • B15	C0 • M80 • Y90 • B5	C5 • M100 • Y25 • B25	C25 • M60 • Y0 • B20	C55 • M70 • Y0 • B0	C85 • M20 • Y0 • B0	C100 • M0 • Y20 • B0	C65 • M0 • Y45 • B0	C30 • M5 • Y100 • B40	C30 • M20 • Y20 • B60
C0 • M20 • Y90 • B0	C5 • M90 • Y85 • B15	C0 • M100 • Y20 • B0	C45 • M90 • Y0 • B0	C55 • M60 • Y0 • B0	C100 • M60 • Y10 • B50	C100 • M10 • Y30 • B20	C100 • M10 • Y85 • B20	C25 • M15 • Y95 • B60	C50 • M30 • Y30 • B80
C0 • M35 • Y100 • B0	C10 • M100 • Y80 • B25	C5 • M100 • Y25 • B35	C55 • M95 • Y0 • B0	C100 • M100 • Y0 • B25	C70 • M5 • Y0 • B0	C100 • M5 • Y35 • B10	C100 • M0 • Y100 • B0	C25 • M5 • Y100 • B35	C45 • M25 • Y15 • B60
C0 • M20 • Y80 • B0	C10 • M100 • Y55 • B40	C0 • M100 • Y5 • B0	C60 • M95 • Y5 • B25	C80 • M80 • Y0 • B0	C100 • M50 • Y0 • B0	C100 • M10 • Y40 • B35	C90 • M15 • Y90 • B45	C25 • M10 • Y100 • B50	C65 • M45 • Y25 • B80
C0 • M50 • Y100 • B0	C0 • M100 • Y50 • B5	C5 • M100 • Y5 • B20	C50 • M80 • Y0 • B0	C100 • M100 • Y0 • B0	C85 • M5 • Y0 • B0	C85 • M0 • Y35 • B0	C80 • M0 • Y90 • B0	C20 • M25 • Y100 • B70	C40 • M55 • Y50 • B85
C0 • M50 • Y95 • B20	C0 • M100 • Y70 • B5	C20 • M90 • Y0 • B0	C70 • M100 • Y5 • B30	C70 • M50 • Y0 • B0	C100 • M25 • Y10 • B55	C100 • M0 • Y60 • B15	C80 • M0 • Y100 • B0	C20 • M20 • Y25 • B50	C55 • M20 • Y30 • B75

The Eagle has landed worldwide since 1990 and has stood the test of time in many small, medium and large corporations.



**Some of our clients include:**

Conveo, Multi Packaging Solutions, Hallmark, Mead Westvaco, Smurfit-Kappa, Consolidated Graphics, Disc Graphics, Nickert, Unigraf, Apex Die, Diecrafters, Top Press, Jones Packaging, All Packaging, Admore, Colorpak, FRIP, Golden Era, Goncalvez, Grapho Pak,, Imprenta Richi, International Paper, Shorewood Packaging, Masis, Offset Imprenta, Rigesa, Texido, Two C-pack, Fincarta Group, UVP, 4over, Color Optics, Dandrea Graphics, Marrs Printing, Schelling Group, Taisei, Visant



## THE COLD FOIL PROCESS

Lithographic Cold foiling is an inline printing process performed on a sheet fed offset press that allows a metallic foil to be positioned anywhere on a printed sheet with litho precision. It is possible to produce halftones, fine lines, fine reverse outs and full sheet coverage at press speeds at high resolutions up to 175 line screens.

**The Eco-Eagle uses the first two print units of the press. There are 3 basic steps in cold foiling:**

1. The first tower- Adhesive is placed in the ink tray and is applied to the substrate in the design defined using a standard printing plate, transferring image to plate, then to standard print blanket.
2. The second tower- The silver cold foil is fed through the blanket and impression cylinders of the tower where it sticks to adhesive defined areas, that is on the substrate from tower#1. The foil is then rewound and the substrate continues to the next tower.
3. The foil is then overprinted with ink giving a brilliant, shiny and unique finish. When foil is not being applied, normal printing with ink can be performed on both towers.

### THE ECO-EAGLE COLD FOIL SYSTEM REDUCES PRODUCTION COSTS

- Fast Make Ready
- No Costly Dies
- True Litho Registration
- Runs at Press Speeds up to 18,000 Sheets Per Hour
- Ideal for Both Long and Short Runs

### COLD FOIL ADVANTAGES WITHOUT LIMITATIONS!

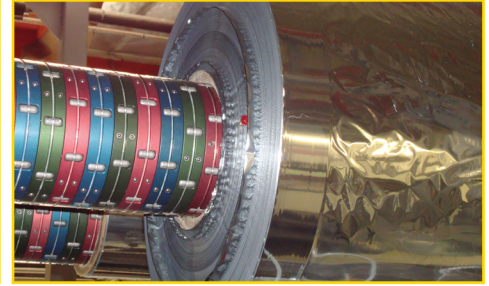
- Over Printing Allows Infinite Color Choices!
- Foil Both Sides of Substrate without leaving Impression
- Ultra Fine detail to 175 line screen (Eco-Eagle machines only)
- Halftone Screen
- Full or Heavy Coverage without Limitations
- One color Of Foil - Silver
- Reduces Production Secondary Processes
- Deliver Orders on the Same Day



UNLIMITED MULTIPLE WEBS WITHOUT  
ADDITIONAL COSTS



MID RANGE ROLLER FOR THAT TIGHT WOUND ROLL



NON TELESCOPING FEATURE

## ECO-EAGLE ADVANCED TECHNOLOGY

Innovative use of technology and specially designed components make the Eco-Eagle the world leader in foiling systems. Here are some of the features of the Eco-Eagle Cold Foil that set it apart from the competition:

- Fully Automatic - Eliminating the mechanical aspect out of the process and eliminating wasted product caused by improper tension and foil pressures. *Only by Eagle! No HMI and no adjustments needed.*
- Compatible with new or existing sheet fed offset press including KBA, Heidelberg, Manroland, Komori, Mitsubishi and others.
- Installs in two days and running full production on the 3rd day.
- The Eco-Eagle runs itself! Does not require any operator adjustments and doesn't even have an operator console.
- Operator training takes only 4 hours.
- Innovative design makes the Eco-Eagle foil-stress free.
- Eliminates foil break, foil dust and foil damage, all of which interrupt the production process and reduce product quality. By not damaging the foil in our process, we create perfection and eliminate imperfections.
- Accommodates full foil widths from 28" - 80".
- Runs a single web or multiple combinations of cold foil webs from 2" to the full width of the press. The cold foil webs can be located anywhere on the Eco-Eagle rolls. No additional cost for multiple rolls.
- Advanced foil detection systems prevent press damage.
- No troublesome "dancer rollers" that cause foil damage by coming in contact with the live side of the cold foil material.
- Fully guarded to protect workers from on-the-job injuries and meets all code standards.
- Internet connection allows 24/7 service, support and upgrades from anywhere in the world for the life of the Eco-Eagle.

## ENVIRONMENTALLY FRIENDLY



The Eco-Eagle cold foil system leaves the smallest possible environmental footprint. Lithographic cold foil is fully recyclable on the printed substrate and due to the fact that the foil is rewound in the Eco-Eagle foil system, the polyester portion can be re-used and has a value to the recycling company. Competitively priced products, such as foil lined board, are not recyclable, not green friendly, and even when shredded, end up in a landfill. The unique Eco-Power developed by Eagle Systems allows formidable power consumption of less than a hair dryer.

## NEW VLFM145



## CUSTOMER TESTIMONIALS

"Everyone that we talked to in the industry, vendors and printers alike, said that the Eagle was the most reliable and well serviced system on the market. It seemed like a no-brainer. Cost wasn't the biggest factor for us. We felt that the Eagle gave us the best chance at a high return on an investment."

- **James Rowley, GM, Glenmore Custom Print & Packaging, BC**

"I wanted to thank you for the prompt response your company gave us on service and support. These kinds of responses and attitudes are less and less common in these business days. Also, I wanted to congratulate you for the team you have. Every single one of them with whom I have had contact were very professional and excellent people. Once again, thanks. All these details confirm to us that we made the best possible choice on cold foiling." - **Martin Esposito, Farmografica, AR**

"Mike, can you tell me what you guys read on customer service, or did you write the book? I have never experienced a more friendly, knowledgeable, and committed support staff in my career. Thank you for such an outstanding product and passion for excellence! You guys are just simply "amazing!"

- **Ken Kozol, Cartamundi, TX**

## EXCEPTIONAL PRINT ENHANCEMENTS

- Your prepress or designer has the ability to take standard images from one dimensional to amazing.
- Each image can be cold foiled and overprinted in thousands of innovative and exciting ways.
- Your competitive advantage starts when you offer your customers never before seen graphics and logos.



# PRODUCT SPECIFICATIONS

Model	Foil Width		Roll Outside Diameter	Core Inside Diameter
	Max	Min.		
CFM-74	74cm	5cm	610mm	6 inches
CFM-102	102cm	5cm	610mm	6 inches
VLFM-145	145cm	5cm	610mm	6 inches
VLFM-162	162cm	5cm	610mm	6 inches
VLFM-205	205cm	5cm	610mm	6 inches

## SERVICE REQUIREMENTS:

### Electrical:

380vac - 480vac 3 phase 50/60Hz Earth ground (no neutral needed)  
380vac = 19kw to 480vac = 24kw

### Air:

100 psi @ 5 CFM externally regulated to maximum 120psi

### Internet:

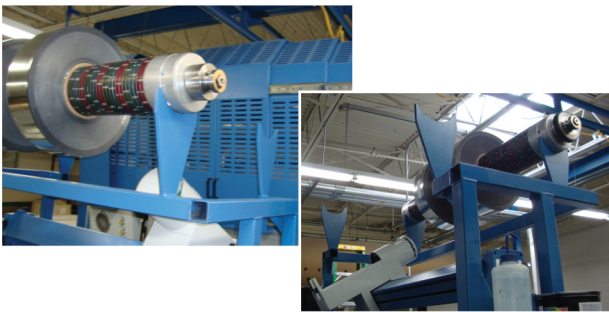
TCP/IP Ethernet Cat 5 connection

### RO water:

1 gallon per hour

### Other Options available

**Preload stations:** includes one extra shaft for less downtime during foil change over.



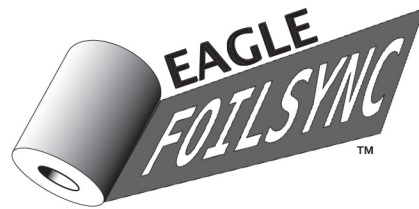
### Make ready table:

For loading and unloading rolls of foil.



### Eagle Foil Sync (EFS):

A very unique way of saving foil during process. EFS is under NDA and offered only at presentations. Eagle Foil Sync EFS102 (40") size (also come bigger for larger machines)



### 4 Lanes of operations

*Can be used all four*

- minimum width 75mm
- maximum width 250mm
- any size in between 75-250mm

*Can be used any three lanes*

- minimum width 75mm
- maximum width 330mm
- any size in between

*Can be used any 2 lanes*

- minimum width 75mm
- maximum width 500mm
- any size in between