

## Technical Specifications:

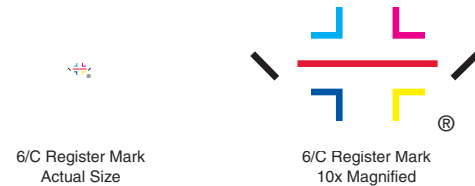
**Speed** - 3000 feet/minute, control every revolution

**Accuracy** - exceeds IFRA Standard

**Lighting** - Enhanced high intensity LED

**Electrical** - 120 or 240 VAC 50/60Hz

### REGISTER MARKS



## Who is Eagle Electric?

Eagle Electric Engineering Enterprise (4E) is a press service organization based in Westerly, Rhode Island. We provide complete PLC control retrofits, new or used press installations or modifications, and general electrical or mechanical repairs to the printing industry. Our team of experienced electrical engineers, licensed electricians, and mechanics is ready to assist our clients with any wiring, PLC, VFD, HMI, motor or general industrial control problem. We design and build new electrical panels, and provide consultant services for other industries as well.

## Contact Us At:

### Sales

3P, Inc.  
35 Avondale Road  
Westerly, RI 02891 - USA  
Phone: 401-596-4520

E-mail: [eagleeye@3Pinc.net](mailto:eagleeye@3Pinc.net)

### Technical Support

4E - Eagle Electric  
67 Tom Harvey Road  
Westerly, RI 02891 - USA  
Phone: 401-596-8111

[www.eagleelectric.com](http://www.eagleelectric.com)



Watching Your Bottom Line

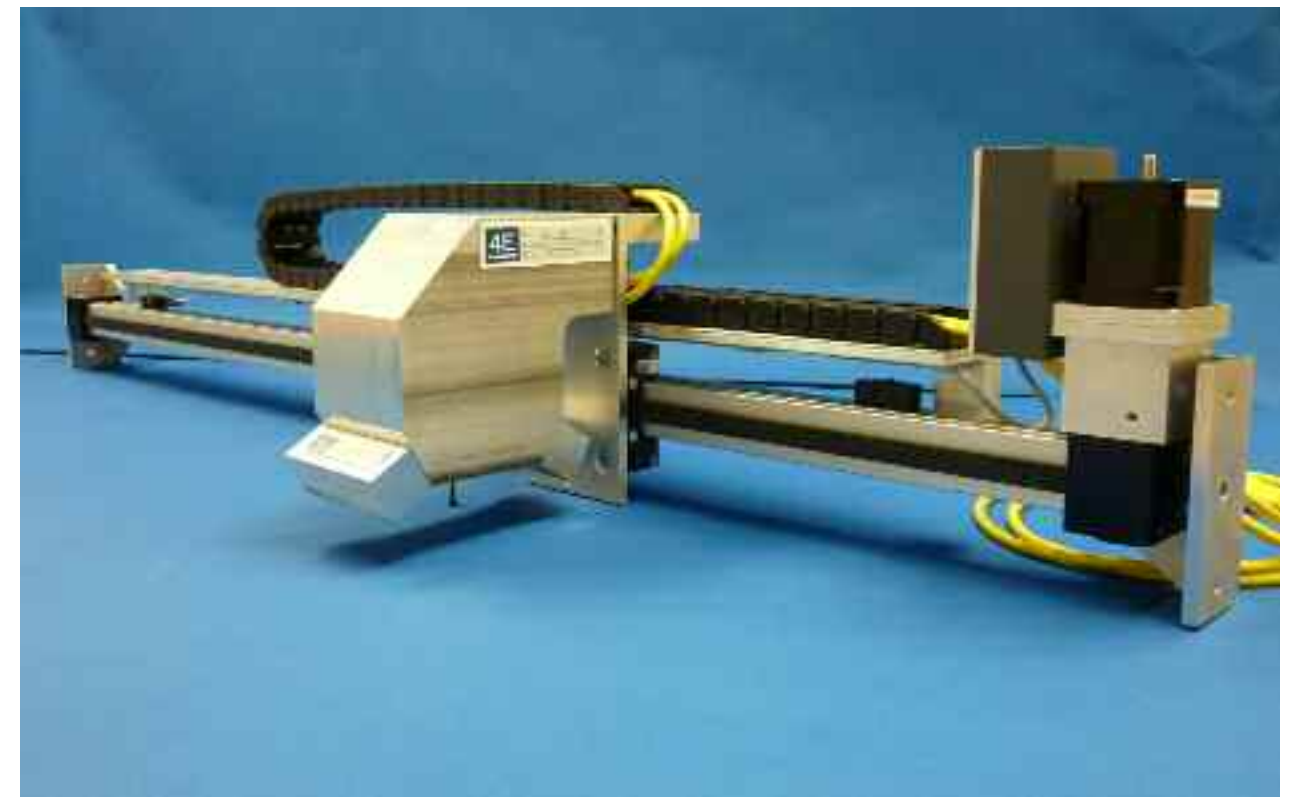
# Eagle Eye

## Automatic Color Registration

**Eagle Electric Engineering Enterprise (4E)** has serviced the offset printing industry for over 25 years.

During that time we have often been frustrated by being dependent on a single vendor's supply of custom-made parts in order to get our clients back into production or to make progress on a time-sensitive project. Additionally, many of our clients are frustrated by the costs of maintaining aging registration systems and by the high cost/low ROI associated with replacing them.

**Eagle Eye eliminates the frustration.**

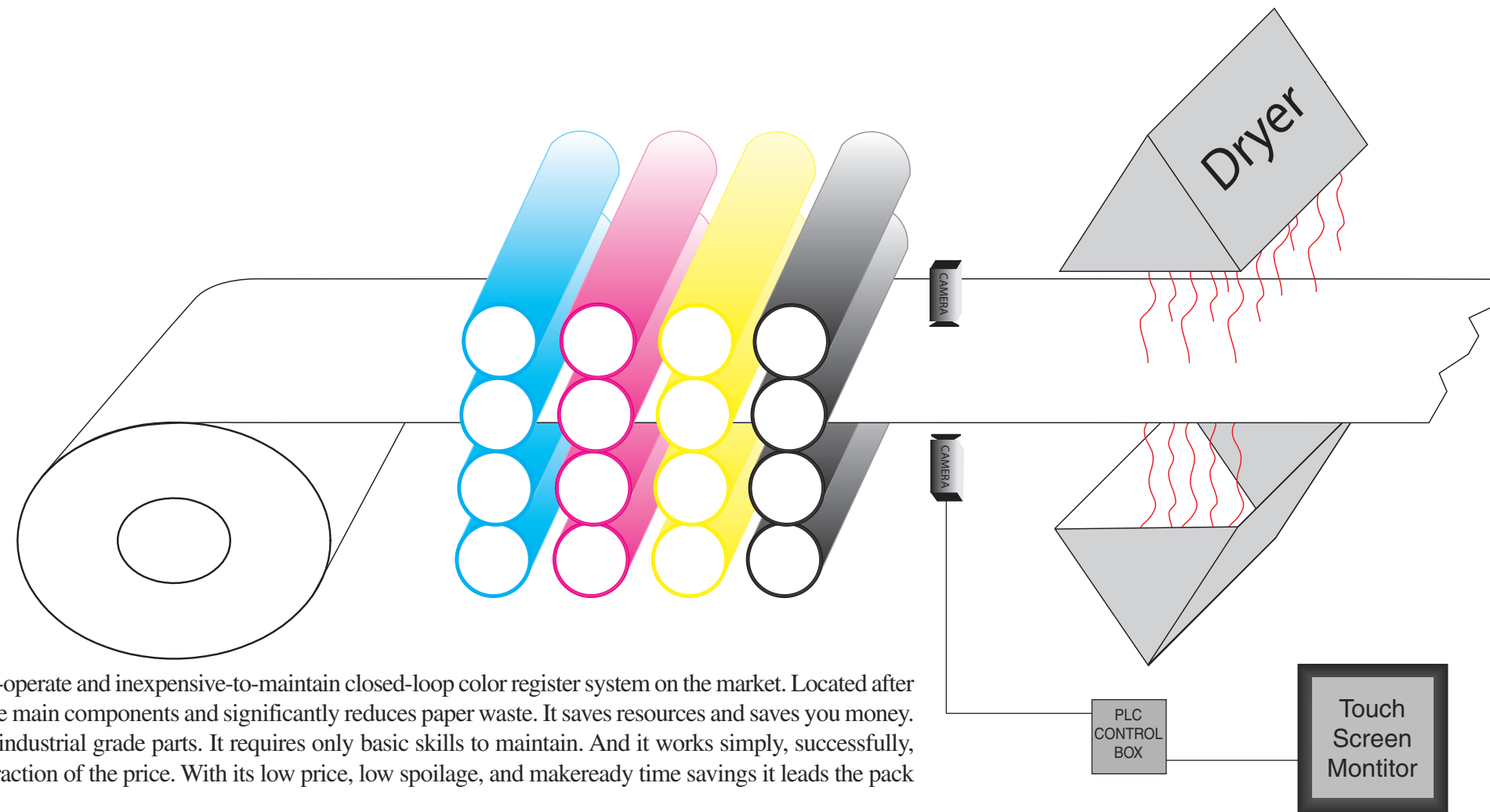


### Registration Made Simple.

The manufacturers of machine vision systems have teams of scientists and engineers developing faster and better methods to capture images and make measurements and inspections.

We've tapped into that resource and simply purchased the camera and controller technology to capture and measure the registration marks. The results are fed directly into a PLC (programmable logic controller), which in turn controls the circumferential and lateral adjustment motors.





### Design:

**Eagle Eye** is the most compact, simple-to-operate and inexpensive-to-maintain closed-loop color register system on the market. Located after the last print unit, Eagle Eye has only three main components and significantly reduces paper waste. It saves resources and saves you money. **Eagle Eye** uses commercially available, industrial grade parts. It requires only basic skills to maintain. And it works simply, successfully, and faster than traditional systems for a fraction of the price. With its low price, low spoilage, and makeready time savings it leads the pack in return on investment.

### Benefits:

#### *Reduced Waste*

- Start-up waste is reduced by 50-80%.
- Eagle Eye marks are small enough to bury within the image allowing for edge to edge printing and/or reduction of stock width, saving money and resources.
- The Eagle Eye system is located after the last print unit. It sees and corrects the errors long before traditional systems, which measure the marks near the pull roll. This savings is realized on each correction—not just the initial start up—as Eagle Eye doesn't have to wait the extra yardage to verify the correction was achieved and declare the image acceptable.
- With these reductions Eagle Eye increases your "green" credentials with your customers.

#### *Reduced Headache*

- Although 4E offers installation and start-up services, the customer can perform the simple system installation. Instructions are provided.
- Regular operation requires only two screens. Other optional

screens can perform set-up operations and show any errors while the system is correcting.

- The camera controller and PLC are Ethernet based so 4E service people can remotely troubleshoot your system.
- The modular system design allows a questionable part to be replaced without the need to reconfigure the rest of the system.
- Everything about Eagle Eye is easy to maintain. There are no PCs, special boards, or other custom components that are unfamiliar to maintenance personnel.
- Commercial parts are less expensive and more readily available than the custom boards and other components used on traditional systems. In fact, the needed parts may be on the shelf within easy distance of the plant, reducing downtime and overnight shipping charges common with competitive systems. And, since Eagle Eye components are widely used in other industries, they cost less.

#### *Reduced Downtime*

- Eagle Electric personnel are always available for assistance if you choose. But you do not need to be dependent on 4E to get

your Eagle Eye system going in the unlikely event it breaks down.

- The use of commercial components and remote diagnostics virtually eliminates waiting for 4E personnel to fly in and troubleshoot the system. Spare parts are readily available, and some may even be used in the other areas of the press.
- Eagle Eye components are provided by worldwide industrial suppliers. These suppliers have sales and service organizations spanning the globe which can restore their piece of the Eagle Eye system to working order.

### Cost and ROI:

- Couple the initial investment requirements with the savings Eagle Eye provides, and the result is an impressive return on investment. Depending on stock and coverage, payback times can be as short as six months. In addition, Eagle Eye comes with a 60-day money back guarantee.