

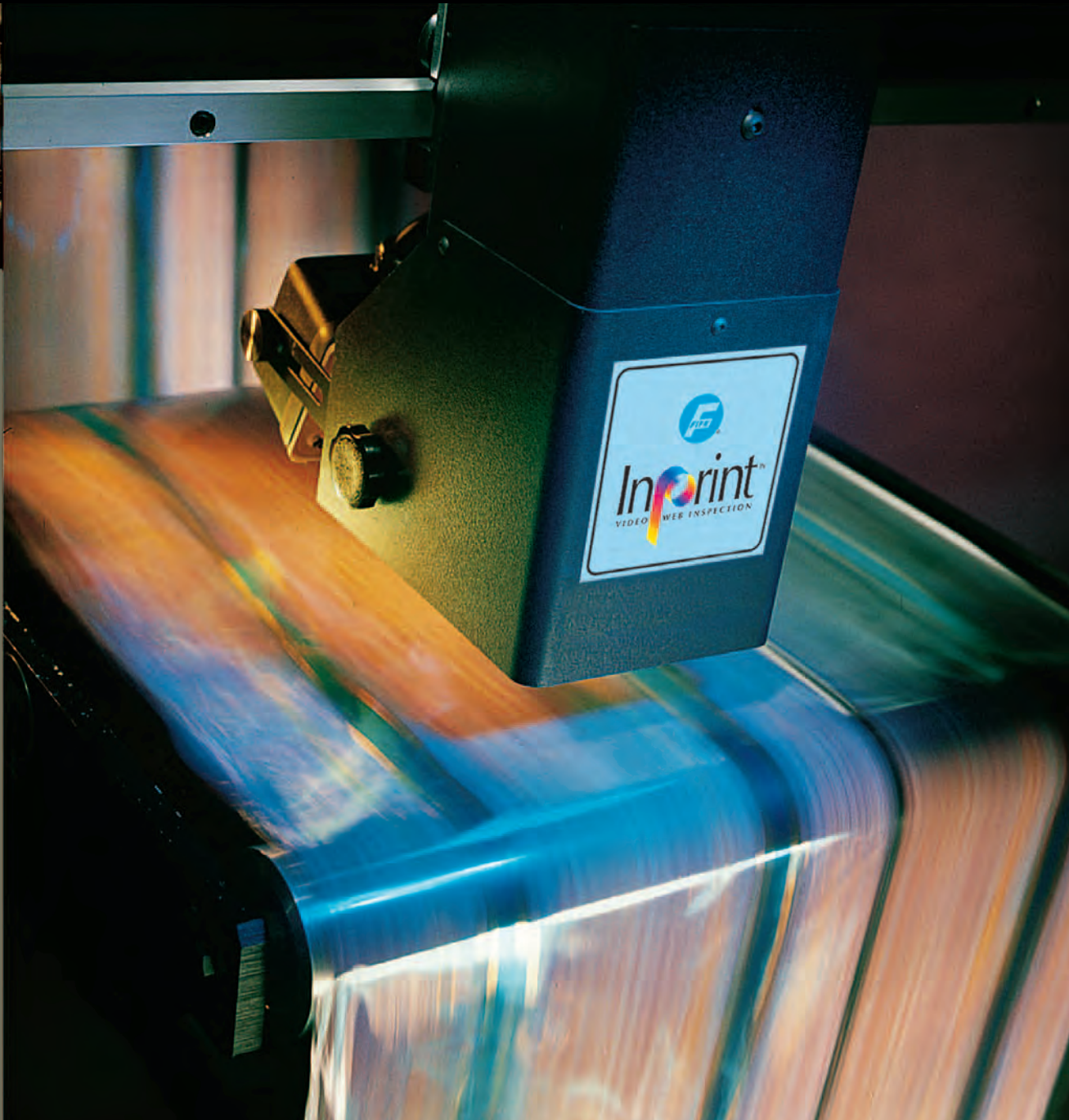


A Maxcess
International
Company

Web Inspections Solutions

*High Quality Inspection Systems for Quick
Identification of Printing Defects*

F I F E W E B I N S P E C T I O N S Y S T E M S





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You cannot fix what you cannot see.

Streaks, hickies, flashes. Correcting them is difficult. Detecting them...nearly impossible. But with Web Inspection Systems from Fife, defects have no place to hide.

Whether you choose video or visual inspection, these systems deliver the superior resolution you need to keep your operations running smoothly and efficiently all day long.

T A B L E O F C O N T E N T S

Introduction.....	3
InPrint Video Inspection Systems.....	4-5
Scan-A-Web Visual Inspection Systems.....	6
Video and Visual Input Signal Devices.....	7

A History of Innovation

Since the invention of the first web guiding system over 60 years ago, Fife has continued to engineer and develop truly innovative guiding and inspection products and systems for nearly every web handling application.

Superior Service

Fife is committed to providing you with only the best quality inspection products and services. Our experienced, factory trained staff can assist in all areas of inspection: applications analysis, design, engineering, manufacturing, and installation.

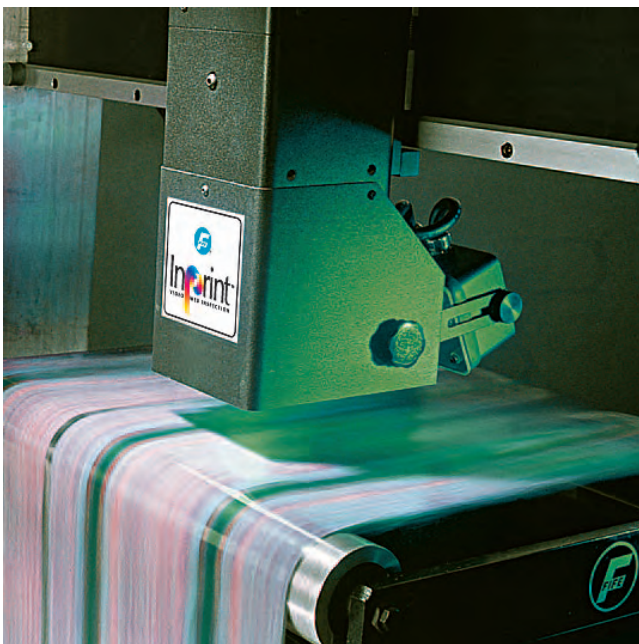


Industry Leadership

Training and education are extremely important to the growth of our industry. Along with our involvement in the Web Handling Research Center at Oklahoma State University, we are also proud to host a growing number of seminars around the world, putting our unrivaled industry knowledge and application expertise at your disposal.

Worldwide Sales and Service

As a Maxcess International Company, we can provide you with the most comprehensive line of accessory product and systems - Fife Guiding and Inspection, Tidland Slitting and Winding, and MAGPOWR Tension Control. Our factory-direct Field Sales Engineers also provide you with a local resource for certified product knowledge and application expertise. You can access Fife products and services all over the world with operations in North America, South America, Europe and Asia, and factory-trained representatives in Africa and Australia.



InPrint™ Video Inspection System

The InPrint video inspection system is a unique, all-in-one web viewer, integrating camera, control panel, and microprocessor into one single, compact, industrial grade housing. This system can deliver unmatched resolution and reliability in narrow or wide web applications.

Many features of the InPrint inspection system are the direct result of feedback from our customers. In turn, these continuous improvements enable customers to run their operations as efficiently and effectively as possible. Some examples:

- Limit switches are more robust
- Light diffuser eliminates hot spots and evens out light disbursement
- Cable Management System ensures clean, organized installation

InPrint with Extended Field of View Option



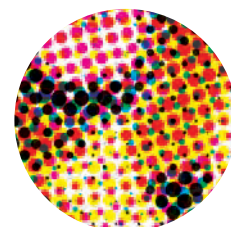
Light Diffuser

The InPrint inspection system can adapt to nearly any printing press. System functions include split screen, auto-scan, image freeze, 90° step image turn, motorized control of zoom, iris & focus, as well as 24x image magnification.

- Unique all-in-one system architecture
- Superior resolution makes it easy to see problems
- Gear-tooth sensor, encoder, KT-5 optical mark reader and RS-422 serial port available for easy synchronization with gearless presses, slitter rewinders and doctor machines.
- Installs quickly, with fewer cables and components
- Auto-scan function with configurable scan modes
- Programmable track option: 32 programmable positions, each with independent digital zoom and exposure settings
- Cantilevered or fixed mounting options, motorized track option
- Easy to operate and maintain



Zoom 9x



Zoom 24x



Split Screen



0°



90°



180°



270°

Monitor:

17" CRT monitor
(19" and 21" or LCD options available)

Camera:

COLOR: RGB with 30-bit color
RESOLUTION: 800 x 600 at 72 Hz
IMAGE CAPTURE RATE: Up to 8 frames per second
CONTROLS: Motorized lens controls for Iris, Focus and 24x Zoom (up to 75x enlargement on a 17" monitor screen)

Standard Field of View:

MAX: 3.15" x 3.94" (80 mm x 100 mm)
MIN: .13" x .17" (3.3 mm x 4.2 mm)

Extended Field of View:

MAX: 6.30" x 7.87" (160 mm x 200 mm)
MIN: .26" x .33" (6.7 mm x 8.3 mm)
STROBE HEAD: Long-life Xenon lamp

Mounting Length Requirement:

STANDARD FIELD OF VIEW:
Maximum web width + 7.09" (180 mm)
EXTENDED FIELD OF VIEW:
Maximum web width + 9.45" (240 mm)

Positioning Speed:

Up to 3.5"/s (92.5 mm/s) adjustable by hundredth increments for auto-scan

Positioning Device (Traverse):

Standard dual mount, max length 157.48" (4000 mm)
Cantilevered mounting, max length 39.37" (1000 mm)

Scan-A-Web® Visual Inspection System

For over 30 years, the Scan-A-Web visual inspection system provides quality assurance by allowing direct, live image viewing of a moving web. It has become the industry standard for printers, widely used to ensure print quality, color, and registration.

This digital, processor-driven web viewer adapts to most press types, accepting almost any index pulse indicating web speed. Web threading arrangements can be either straight or bent, allowing the operator to perform detailed, in-process inspections of the web surface while running at full production speed.



- Detailed in-process inspection of a moving web
- Hard-lock image stability for quality assurance
- User-friendly menu control
- 5x and 10x magnification scopes available
- Front or rear lighting
- Optional mounting configurations

Fixed Viewing Width:

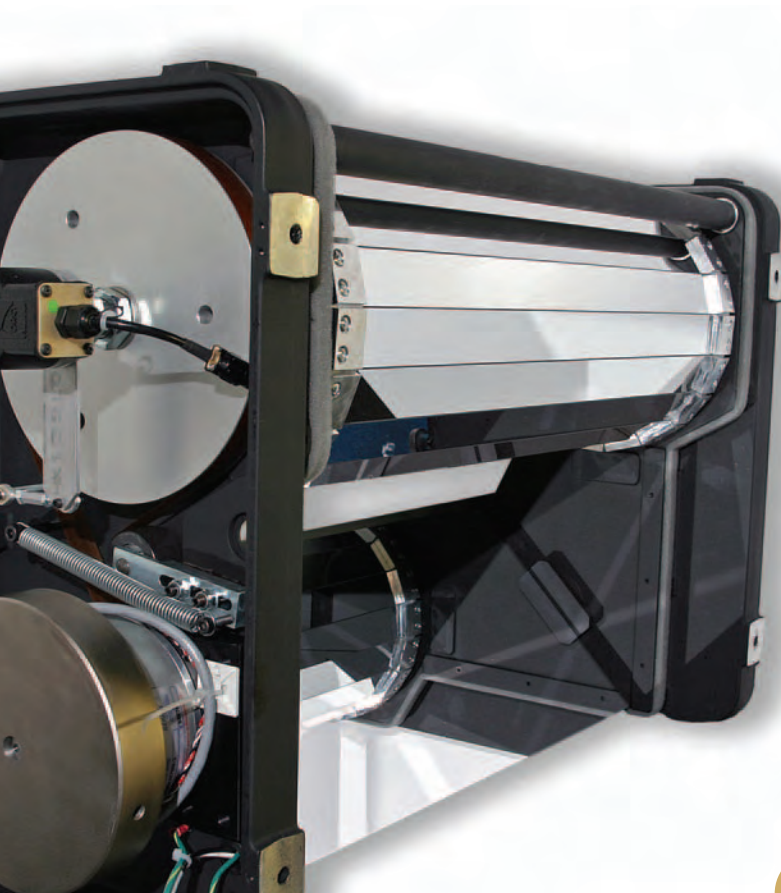
19.7 inches (500 mm)

Maximum Web Speed:

2000 feet per minute

Minimum Repeat Length:

Approx. 15 inches (381 mm)



Video Inspection Signal Input Devices

Whether your operations require a proximity sensor, optical pickup, or encoder-type input, these video signal input devices will get the job done. Designed to provide a precise one-to-one relationship between the input signal received by the system and the print cylinder circumference, each device ensures overall system accuracy and reliability.

- Simple and accurate operation
- Dedicated, synchronized link ensures system accuracy and reliability
- Hard-lock image stability
- Configured to meet your system requirements
- All cables and connectors are provided for easy installation and hookup

PS-71/PS-71X Proximity Sensors

Best applied to installations where drive gear teeth or drive shaft of the process line is accessible for sensor detection and installation. The PS-71X is designed specifically for intrinsically safe installations.

KT-5 Contrast Scanner

For optical pick-up applications where consistent contrasting patterns repeat in direct relation to the print cylinder circumference. The KT-5 allows the user to define input configurations with very few process line adaptations.

Incremental Optical Encoder

For applications where drive gear teeth or drive shaft is not accessible for proximity sensor installation, an optical encoder can be fitted to the process line with appropriate gearing provided by the customer.

Visual Inspection Signal Input Devices

For either encoder-type, digital input or proximity sensor-type, single index pulse input, these signal input devices provide a dedicated, synchronized link to your process line, delivering hard-lock image stability and ensuring system accuracy and reliability.

- Encoder-type or proximity sensor-type signal input
- Dedicated, synchronized link ensures system accuracy and reliability
- Hard-lock image stability
- Configured to meet your system requirements

PS-61/PS-61X Proximity Sensors

Best for flexo-type presses, these signal input devices provide flexibility in job configuration and image stability. Both versions produce one signal pulse for each pin (gear tooth) or flat detected. The PS-61X is specifically designed for intrinsically safe installations.





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MAXCESS INTERNATIONAL COMPANIES



GUIDING · INSPECTION



TENSION CONTROL



SLITTING · WINDING