FyrEye-2800 Printing & Finish Inspection Systems

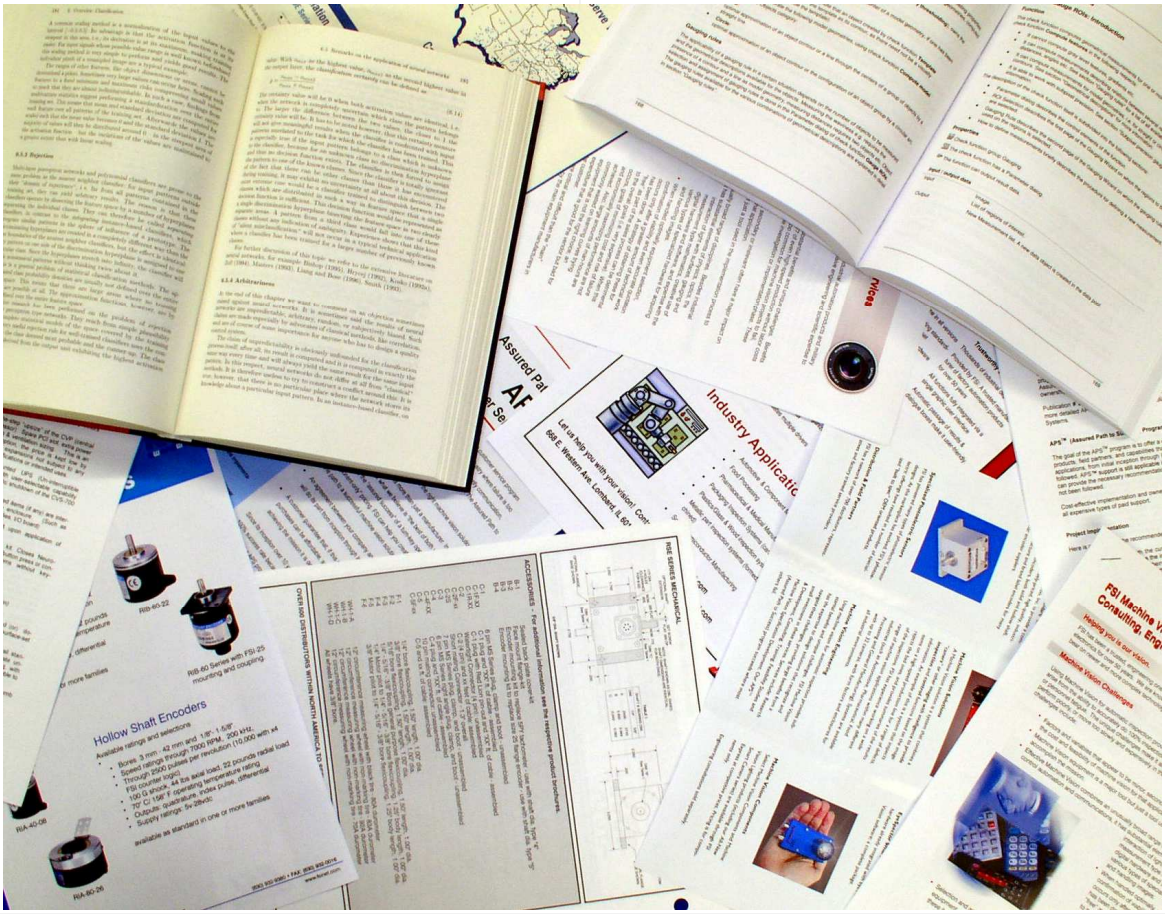
FyrEye-2800 family inspects printed products for a wide range of printing, binding and assembly related defects and attributes.

This application field requires diverse and fundamentally different solutions; FyrEye-2800 family systems are available to accomplish all of them. Example inspection and verification functions include:

- Print quality analysis / verification
- Proper printing (content & process)
- Presence or absence of saddle stitches
- Pinching or puckering on saddle stitches
- Proper angle on printed address/bar code
- Print quality of address/bar code
- Glue integrity on perfect bound products
- Ragged trim edges
- Completeness of coatings
- Color analysis
- OCR (Optical Character Recognition)
- OCV (Optical Character Verification)
- Printing registration checking & control

Applications include packaging, catalogs, magazines, newspapers, the web stage of printed products, books, paperback books, labels, and other printed materials.

The FyrEye-2800 is a family of systems, customized to your application and requirements. Your particular model will be from the same family, but will have different variations in equipment and capabilities. The FyrEye-2800-02 is an example; it includes:



FSI Machine Vision
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- Style 20 NEMA 1 CVP (Central Vision Processor) enclosure.
- Inspection and verification of pharmaceutical labels for fully printed instructions, warnings and all other important and required text, reading and verification of the date code and bar code. This is done on the product where the label would be distorted in normal views.
- Fulfills application and performance specification # VAS-2800-02 (copy available). Each application will have its own VAS (Vision Application Spec Sheet).
- Engineered lighting specialized for solution performance.
- High resolution line scan imaging for distortion-free image from rounded surface.
- FSI encoder for line scan imaging synchronization.
- Conditional storage of 90,000 images of rejected defects.
- Print quality inspection tool set that adapts to distorted media where such causes false rejects on other systems.
- Neural Net surface inspection and defect classification.
- Spreadsheet storage of numerical results.
- 8 discrete inputs.
- 8 discrete outputs.

Please contact FSI for a system and solution that is confirmed for your application.

FSI has been a trusted factory automation manufacturer for over 50 years. Our Assured Path to Success™ methods and programs have a 100% success rate in this field of machine vision. Because our engineers are deeply involved in understanding the application, recommending the products, and supporting the software, these systems are uniquely suited for long term supportability and standardization.

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