

# FyrEye-3400 Assembly Inspection Systems

*Inspects part assemblies for proper and complete assembly and use of correct components.*

FyrEye-3400 family of systems inspect part assemblies. Here are some examples of FyrEye-3400 family automatic inspections:

- Verify the correct part was used for each component of the assembly
- Verify each component was installed completely, including proper location and orientation
- Verify completeness of the overall assembly
- Inspect for damage that occurred during the assembly process
- Verify presence, location and orientation of proper labeling
- Bar code and data matrix reading or verification

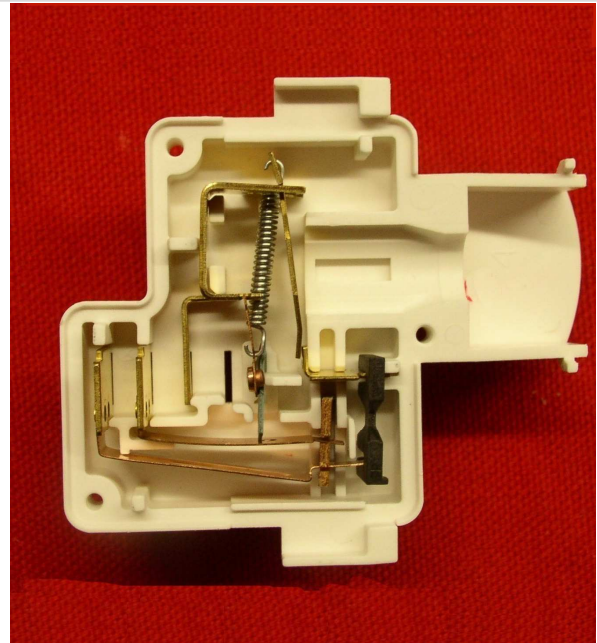
A few product examples include:

- automotive components and subassemblies
- medical products and product kits
- packaged pharmaceutical products
- home and personal care products
- toys, sporting goods
- HVAC systems and subassemblies
- switches, relays and solenoids
- office equipment
- computers & computer peripherals
- aircraft & aircraft engine parts
- brake assemblies, wheel assemblies
- assembled printed circuit boards
- integrated circuits
- pizzas, frozen meals and "TV dinners"
- pens and mechanical pencils
- cigarettes and cigars
- sinks, toilets, bathtubs & plumbing fixtures
- doors and windows

This system will often be used to:

- Collect/store/provide data
- Provide a signal to the operator such as on-screen information or an alarm
- Initiate an automatic rejection process

The FyrEye-3400 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-3400-02 appliance switch inspection system is an example; it includes:

- Fulfills application and performance specification # VAS-3400-02 (copy available). Each application will have its own VAS (Vision Application Spec Sheet).
- Engineered lighting specialized for solution performance and color rendition.
- Colorspace translation for inspection of reflective parts.
- High resolution color progressive area scan imaging.
- Conditional storage of 90,000 images
- Spreadsheet storage of numerical results

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 program have a 100% success rate in this diverse field. The system architecture and construction also provides a uniquely strong foundation for long term supportability and standardization.



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