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.