

## FyrEye-4200 Family Bottled Product Inspection Systems

The FyrEye 4200 Family inspects the packaging, containers and contents of packaged liquid products.

Example inspection functions include:

- Label fully applied
- Date code reading or verification
- Label applied straight or at the correct angle
- Proper fill level
- Packaging defects
- Defects in label or label graphics
- Correct label
- Correct cap
- Verify presence of labeling

(Other FyrEye families cover inspection of the actual containers and caps prior to use)

Applications include bottled soft drinks, food products, consumer products, pharmaceutical products, medical supplies, cleaning products, paint, remodeling and maintenance products, chemicals, plus others.

Barrel inspection and barrel neck inspection is covered by other products



Examples of Bottled Products

This publication presents the FyrEye-4200 family in general and also a specific example system, model # FyrEye-4200-01 which includes: Inspects a packaged liquid product for fill level, correct main label, neck label and cap, each vs. a certain set of possible incorrect labels or caps, straightness of main and neck labels, main label fully applied (no peeled corners), verify presence (vs. total absence) of mandated text. For a 8"-9" bottle height, dark liquid in a clear bottle, having main and neck labels with a light perimeter, inspection rate of 4 bottles per second, clean, dry environment for the CVP, moderately wet (but not hosedown) environment for the camera, all inspected features exhibit gray scale differentiation.

Style 17 CVP, powerful and user-friendly software, Neural Net based color analysis, three standard progressive scan gray scale 640 x 480 camera with direct hardware trigger option, full PC/Windows architecture Ethernet port, 8 discrete inputs, 8 discrete outputs, removable mass media, internal storage for at least 40,000 programs or images, engineered lighting assembly (including for color rendition) and optics, APS™ (Assured Path to Success™) scope, program and services, and no other options. A large amount of application-specific specs and functional details apply to the FyrEye-4200-01 example system; all other FyrEye-4200 family systems will be designed with sufficient performance capabilities to fulfill the requirements of the current application.

How to order: To order the exact example system specify model # FyrEye-4200-01. Otherwise please contact FSI or your FSI Representative for a FyrEye-4200 family system & solution for your specific application and requirements.

Besides system level benefits and advantages, FSI Machine Vision offers unique strengths and benefits in each of these important foundation areas: architecture, construction, expertise, methods and support. Please contact us for



**FSI Technologies Inc.**

668 Western Avenue • Lombard, IL 60148-2097

(630) 932-9380 • FAX: (630) 932-0016

www.fsinet.com

Publication # FyeEyeP-4200-01 01/05/06