

# APPLICATION NOTE

## Label Validation

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### CAPABILITY

Smart cameras will reliably:

- verify the presence and accurate placement of labels
- confirm that the correct labels and label versions are attached to bottles, tubs, cartons and other containers
- ensure that all parts (caps, lids, bases etc.) have matching labels



**Patterns**



**Codes**



**Features**

### HARDWARE

Typical vision system hardware for label inspection comprises:

- Smart Camera
- I/O & Ethernet Cable
- Integrated or External LED Illuminator
- Trigger Sensor

### METHOD

- a reference image is captured by the camera.
- a pattern/code/other feature is learnt as a model image
- a search region is established
- labels are then inspected to confirm a match to the model image and correct positioning within the nominated region
- a pass/fail output is provided based on the inspection result

### CONSIDERATIONS

- IP rating requirements
- number and uniqueness of patterns to be validated
- means of product selection and receiving/providing other I/O signals
- communication protocols of the host system

### OFFER

Call 1300-478-474 for your Free “Size & Purpose” Site Audit to help you start minimising your rework, rejections and recalls.

### TECHNOLOGY PARTNERS

