CIMview360

CYLINDRICAL PRODUCTS VISION INSPECTION AND VERIFICATION

NON-CONTACT... HIGH SPEED... UP to 1,200 ppm

CIMview360   **SUPERVISOR PANEL**

GOOD   BAD

- NON CONTACT INSPECTION
- NO COMPLEX HANDLING
- SUPER FAST UP TO 1200 ppm
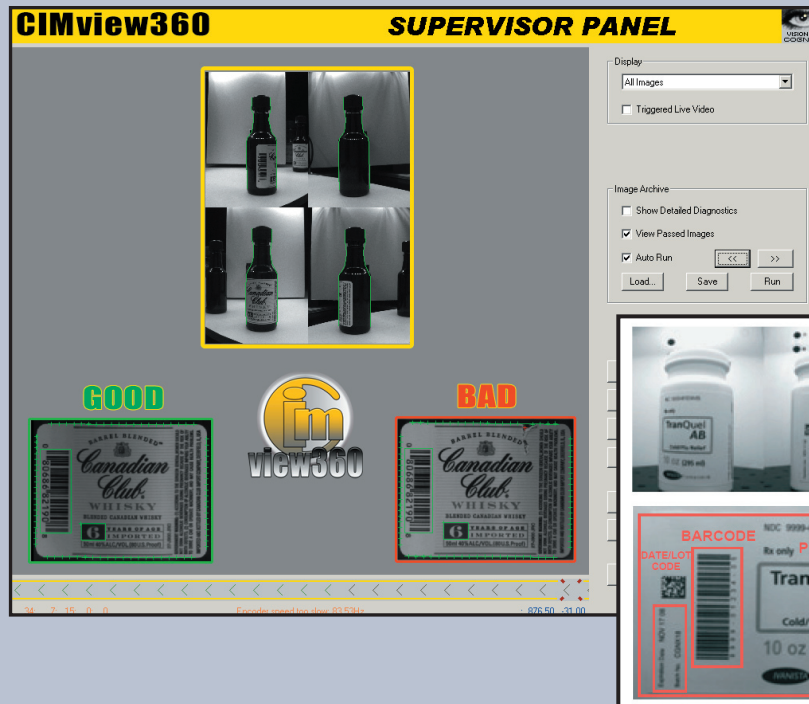- READING 1D and 2D BARCODES
- VERIFYING DATE/LOT CODE OCR and OCV
- REDUCING SCRAP
- DETECTING TORN OR MISSING LABELS
- VERIFYING PRINT QUALITY
- ENHANCING BRAND IMAGE

"Accurate Inspection of Randomly Oriented Cylindrical Surfaces"

Cylindrical surfaces of three-dimensional products such as bottles, vials and cosmetic containers are difficult to inspect. Cameras often cannot be placed in the ideal locations, the part may have unknown orientation, or the surface to inspect may span multiple camera views. The **CIMview360** Cylindrical Product Inspection System solves these problems.

This system uses images acquired from one or more cameras, and combines those images to create a seamless and undistorted image of an object surface. As long as a feature of interest appears in one or more of the physical camera images, it can be inspected.

Based on **COGNEX**, leading and proven Machine Vision Technology, **CIMview360** completely eliminates the complex and expensive requirement to mechanically spin parts in order to inspect them. This reduces production line complexity, lowers costs, and increases production speed.

CIMview360 even compensates for rotation, tilt, uneven lighting, and perspective distortion ... the factory floor problems that exist in the manufacturing process.
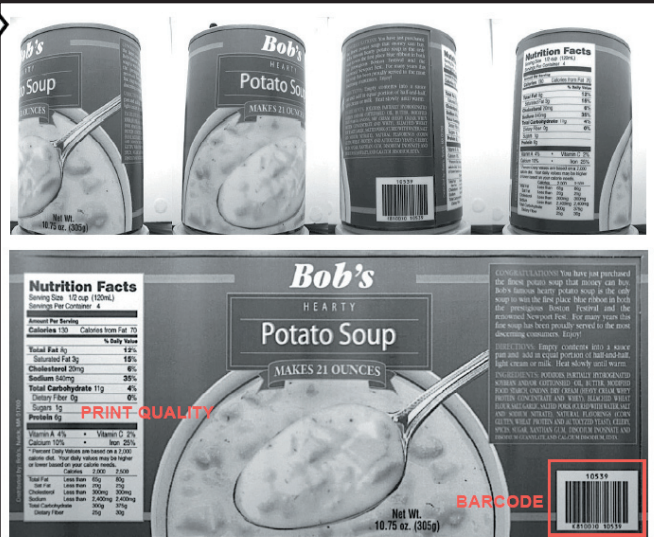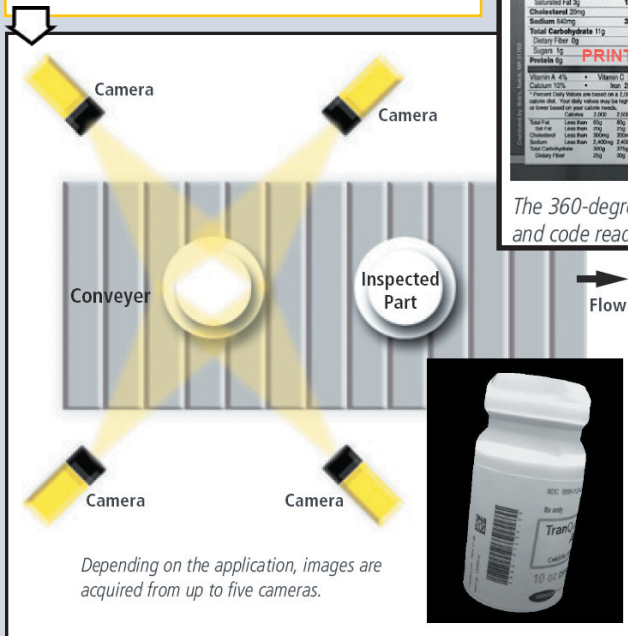
code-in-motion ® LLC

PARTNER SYSTEM INTEGRATOR   PSI COGNEX

CIMview360

CYLINDRICAL PRODUCTS VISION INSPECTION AND VERIFICATION...

Four Camera Images... Stitched into ONE Single Fully Indexed Image

Basic Four Body Camera Setup can be equiped with Fifth - Top Camera ... in which case the overall Inspection is based on Ralative Positions of ALL aquired images...

Camera

Camera

Conveyer

Inspected Part

Flow

Camera

Camera

Depending on the application, images are acquired from up to five cameras.

Nutrition Facts

PRINT QUALITY

Bob's
HEARTY
Potato Soup
MAKES 21 OUNCES

BARCODE

Net Wt.
10.75 oz. (305g)

The 360-degree virtual image of cans and bottles facilitates label inspection and code reading.

Complete Hardware and Software System Solution... from CODE-IN-MOTION

CIMview360 system facilitates traceability and performs extensive product quality checks on cylindrical food, beverage, pharmaceutical, and many other products. Packaging flexibility, food safety, productivity, and quality control all benefit from the simplified 360-degree product inspection

NON CONTACT INSPECTION

NO COMPLEX HANDLING

SUPER FAST UP TO 1200 ppm

READING 1D and 2D BARCODES

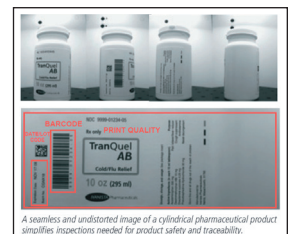VERIFYING DATE/LOT CODE OCR and OCV

REDUCING SCRAP

DETECTING TORN OR MISSING LABELS

VERIFYING PRINT QUALITY

ENHANCING BRAND IMAGE

A seamless and undistorted image of a cylindrical pharmaceutical product simplifies inspections needed for product safety and traceability.

Some of the many **CIMview360** applications and benefits:

- **Confirming package/product match** ... lowering the risk of a recall
- **Reducing scrap** ... by detecting wrong or mislabeled products early in the production process
- **Checking for torn or missing label** ... critical to the packaging process
- **Reading 1D and 2D codes** ... enables products to be tracked and traced through manufacturing
- **Verifying label printing integrity** ... to ensure a positive brand image on store shelves
- **Detecting damaged products** ... that result from operations such as cartoning
- **Checking date code presence** ... ensuring that coding printers are functioning properly
- **Performing date/lot code OCR and OCV** ... verifies that product information is correctly printed and that labels are placed onto the right products
- **Checking for roundness** ... for enhanced brand image
- **Gauging** ... without a telecentric lens