SUCCESS STORY
Label presence absence using inspection camera

Customer
Pharmaceutical Industry

Customer requirements
Avoid bottles without label to be float in the market

Orchid Solution :
iVu Camera is used with 8 mm lens With integrated touch display

Customer Benefits
◉ Reduces man power
◉ Improved Productivity and Quality
◉ Better speed and Performance
◉ Machine operator can easily operate inspection camera
◉ No PC required for configuration the inspection camera

Product features
◉ All-inclusive vision sensor with lens, light, I/O and
  touch screen programming
◉ Configurable discrete inputs and outputs for integration
◉ User friendly - Configure in minutes with or without PC
◉ Industrial Ethernet communications for IIoT Data collection
  (EtherNet/IP™,PROFINET®, Modbus/TCP)
◉ Perform more inspections with fewer devices
◉ Rugged IP67 housing for the factory floor
◉ Interchangeable lenses allow for application flexibility
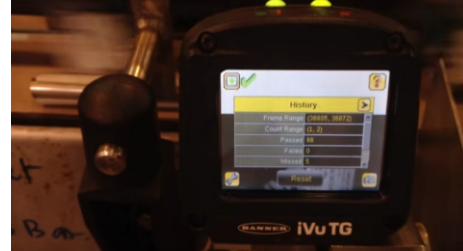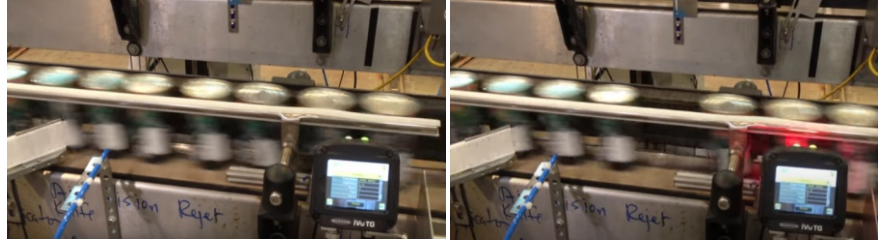
Products Look

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Application
 Avoid bottles without label to be float in the market using iVu inspection camera

Challenge
◉ Verification of Label presence -absence on bottles running very high speed
◉ Luminance sensor does not work on labels because of non-fluorescent substance
◉ Variety of labels inspection is more difficult using sensors

Solution
By the use of iVu inspection camera and high performance trigger.sensor, the increased requirement of accuracy has been achieved.Inspection camera System is mostly intuitive and easy to learn. When label is absence on bottle the system is designed to stop conveyor belt of the machine.
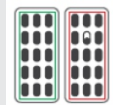
Other industry verticals
◉ Pharmaceutical
◉ Food and beverages
◉ Automotive
◉ SPM machinery OEM
◉ Engineering product mfg
◉ Plastic processing machinery

Camera Inspection tools

Match
Verifies a pattern, shape or orientation is corrrect
◉ Verifies orientation and that the correct label is applied
◉ Weld nut orientation inspection
◉ Validate shape of parts

Area
Verifies a features, or multiple features are present on a part
◉ Blister pack inspection
◉ Count holes on a stamped part
◉ Verify complete assembly of a filter

Blemish
Finds areas of high contrast in the image
◉ Detect foreign material on web
◉ Confirm presence of text on a container
◉ Verify safety seal on a cap

Sort
Recognizes and sorts different patterns of parts
◉ Identify and sort part on a production line
◉ Confirm the correct parts are in a medical kit

Some of pictorial view applications

Subject to modifications without prior notice