SUCCESS STORY
Barcode detection on leaflet & carton

ORCHID

AN ISO 9001:2015 Certified Company

Customer
Pharmaceutical Industry

Customer requirements
Detect & read barcode/pharmacode on leaflet & carton

Orchid Solution :
iVu BCR Camera is used with 12 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
- Inspect both 1D & 2D barcode, pharmacode etc with one 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

Learn More
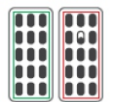Visit www.orchidtechnology.in for more application

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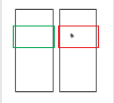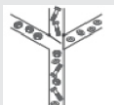For more videos view our You-tube channel YouTube

Camera Inspection tools

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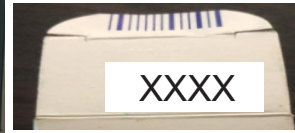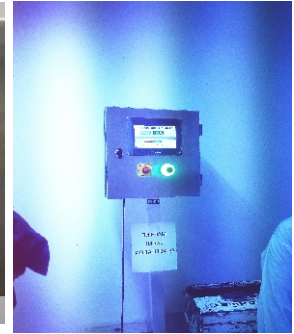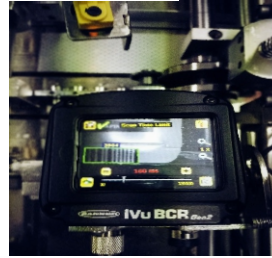- Weld nut orientation inspection
- Validate shape of parts

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

Application
Detect & read barcode/pharmacode on leaflet & carton

Challenge
Verification of correct pharmacode printed or not because if another pharmacode printed then it may be issue of another product or many others issue like market complain of wrong product supplied

Solution
With complete integration of iVu BCR inspection camera, trigger sensor , PLC and HMI customer only need to enter decided/Correct pharmacode in HMI display
so when wrong/pharmacode detects customer will get an alarm and conveyor belt will be stopped and reject wrong pharmacode.
Additionally HMI shows total PASS/ FAIL count.

Other industry verticals
- Pharmaceutical
- Food and beverages
- Automotive
- SPM machinery OEM
- Engineering product mfg

Barcode types reading capacity

2D Bar Codes	1D Bar Codes	
Data Matrix (ECC200	Code 128	EAN-13 (UPC-A)
QR & Micro QR	Code 39	EAN-8
	Code 93	UPC-E
	Codabar	IMB
	DataBar	PDF417
	Interleaved 2 of 5	Postnet
		Pharmacode

Some of pictorial view applications