

BCM

Bottle Content Monitoring





BCM

About (DIR)

DIR Technologies utilizes sophisticated infra-red detectors and thermal imaging technology combined with high throughput imaging & analysis software, to provide innovative solutions for the quality control and process monitoring of pharmaceutical manufacturing and packaging processes



Advantages of DIR's technology

- Nondestructive, noninterfering
- In-line, Real-Time, 100% testing
- Very small foot-print, adaptable to any existing production line
- Can be customized to a wide variety of packaging processes
- No slowdown of production

Contact us for additional Information

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Standard HDPE bottles



Liquid Fill level inspection



Desiccants count and inspection



Tablet content inspection

Login Settings	Calibration Set ROI video NUC A	bout	DIR Technologies
atch Number:	Test#27	History List Video Processed	Reason
ottle Type:	A2 (60 CC)	7/3/2013 15:16 PM	Pass
ottic Type.	A2 (00 CC)	7/3/2013 15:16 PM	Pass
ontents Type:	Liquid	7/3/2013 15:16 PM	Pass
		7/3/2013 15:16 PM	Pass
		7/3/2013 15:16 PM	Pass
		7/3/2013 15:16 PM	Pass
		7/3/2013 15:16 PM	LevelNotinRange
		7/3/2013 15:17 PM	LevelNotInRange
	3/A	7/3/2013 15:18 PM	LevelNotInRange
		7/3/2013 15:18 PM	LevelNotInRange
	72%	7/3/2013 15:19 PM	LevelNotInRange
		7/3/2013 15:19 PM	LevelNotInRange
		7/3/2013 15:50 PM	LevelNotInRange
	1	7/3/2013 15:50 PM	Pass
		7/3/2013 15:52 PM	LevelNotInRange
		7/3/2013 15:54 PM	Pass
spected:	4527	7/3/2013 15:57 PM	Pass
specieu.	1527	7/3/2013 15:57 PM	Pass
ejected	10	7/3/2013 15:57 PM	Pass
		7/3/2013 15:58 PM	Pass
Sive Mute		7/3/2013 15:58 PM	Pass
		7/3/2013 15:58 PM	Pass
		7/3/2013 15:58 PM	Pass
		7/3/2013 15:58 PM	Pass
		7/3/2013 15:58 PM	OneObserbe

BCM System GUI

Characteristics

- The BCM system was specially designed for IN-LINE content monitoring of pharmaceutical bottles.
- The operation of the BCM is done through a touch screen that it very intuitive and straightforward.
- The system generates a report specifying the number of bottles rejected, the time and the reasons for the rejections.
- The BCM can be easily integrated into any existing line.
- The system can be optionally delivered with a high precision rejection system, that will remove only those bottles that are out of specification.
- All external parts of the system are made of Stainless Steel or Anodized Aluminum. The IR camera is sealed against dust and water splash (IP65 compliant).



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The BCM (Bottle Content Monitoring) inspects the content of opaque plastic containers in-line, **Without Slowing Down The Production Rate**. 100% bottles tested, timely, **Accurately**, without interfering with the process or the product.

The BCM makes use of DIR's advanced Thermal Imaging system and propriety image process algorithms.

