



LMI TECHNOLOGIES



Gocator® | YOGURT CUP

THE APPLICATION

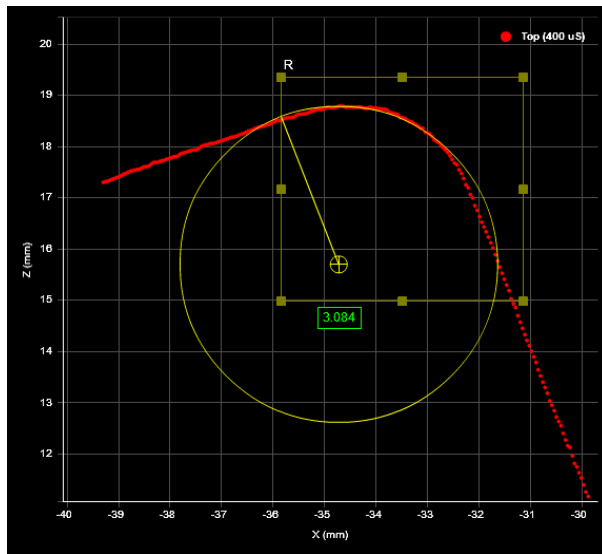
Defects in food packaging can lead to many issues, including:

- Mold and other pathogens
- Contamination
- Pest infestation

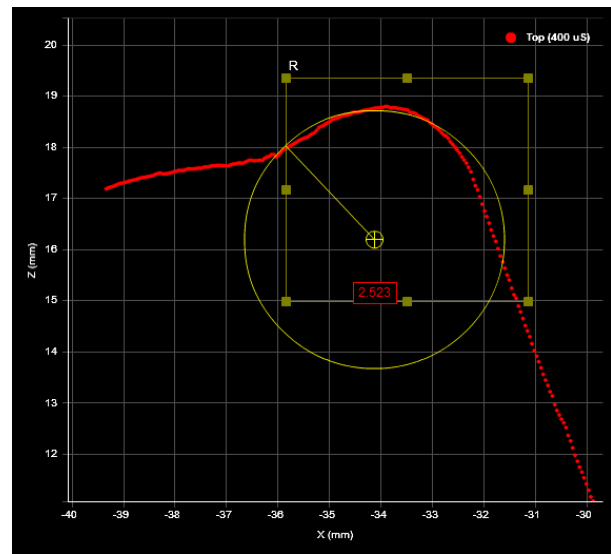
When a product is affected by issues like these, it can have a devastating impact on the producer, from damage to the company brand to astronomical costs associated with recalls and refunds, let alone potential health risks to customers.

Gocator's 3D capabilities are ideal for the detection of a wide variety of packaging defects. Thanks to its speed and accuracy, it is easily integrated into packaging production running at full production speed.





Good cup



Bad cup, with dent

THE IMPLEMENTATION

One of our partners, Industrial Control (<http://www.industrialcontrol.com>), developed a system using the 3D vision capabilities of Gocator profile sensors to inspect the surface of yogurt cup lips for pass/fail. Dents on the lips, which can affect the seal and cause spoilage, are detected as deviations from a known radius. If dents are detected, the system instructs the production line machine to reject the defective cup.

The system inspects the surface of 800,000 cups per day on each machine, which runs 24 hours a day. The system is installed near the curing light in the print machine and is not affected by the intense light.

THE BENEFITS

There are several benefits to be realized by incorporating Gocator in a food packaging inspection system, such as:

- Reducing risk of costly recalls
- Protecting company brand and customers
- Running at full production line speed, so no impact on production time
- Inspecting packaging automatically, so no need for costly manual inspection