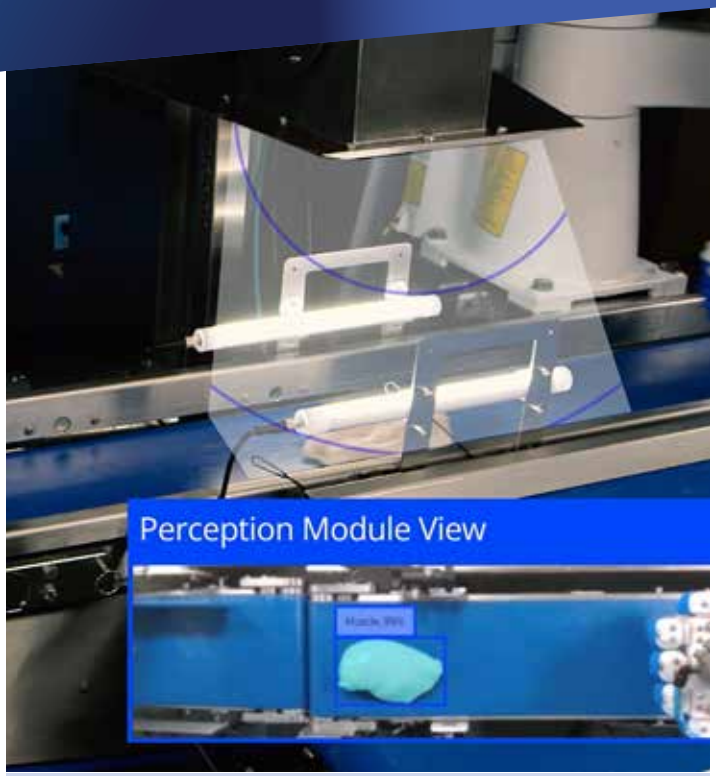
SOFT ROBOTICS

AI-Enabled Visual Inspection



Improve Quality. Increase Yield.

AI-Enabled Visual Inspection is a 3D vision solution that inspects, identifies, and classifies product attributes resulting in actionable insights to improve product quality and increase yield. Combining AI Technology and a high resolution camera, this solution quickly and accurately inspects products with organic variability often found in the food processing industry.

INSPECTION TASKS

- ✓ Defect Detection
- ✓ Attribute Segmentation
- ✓ Volume Estimation
- ✓ Conveyor Counting
- ✓ SKU Classification

ACTIONABLE INSIGHTS

Real-Time Reporting

Historical Trends

Defect Imagery

Data Aggregation

FEATURES/BENEFITS:

- Improve quality
- Increase yield
- Increase throughput
- IP69K food-grade materials
- Reduce errors
- Decrease waste
- Reduce reliance on human labor
- Automate repetitive tasks
- Optimize operations
- Increase profits
- No-code user friendly interface
- Small footprint
- Flexible deployment

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PRODUCT INSPECTION FOR:

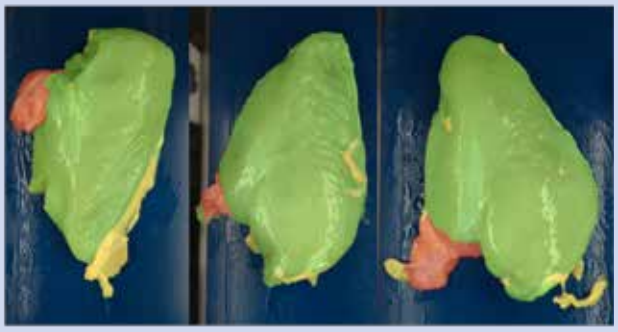
- Size
- Burns
- Breading Gaps
- Misshapen
- Breaks
- Ripeness
- Orientation
- And More

USE CASE: 1

Segmenting Chicken Breast:

- Breast = Green
- Rib Meat = Red
- Fat = Yellow

Classify attributes to measure trim level for product quality resulting in precise pricing and increased profits.

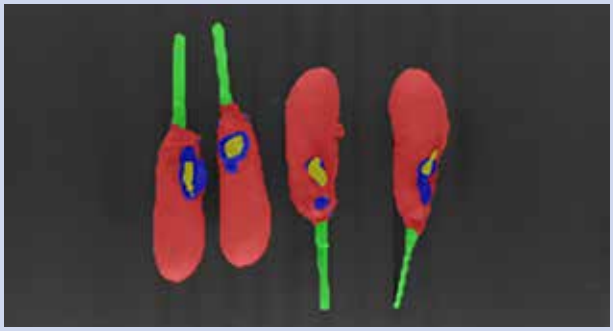


USE CASE: 2

Identify Corn Dog Attributes:

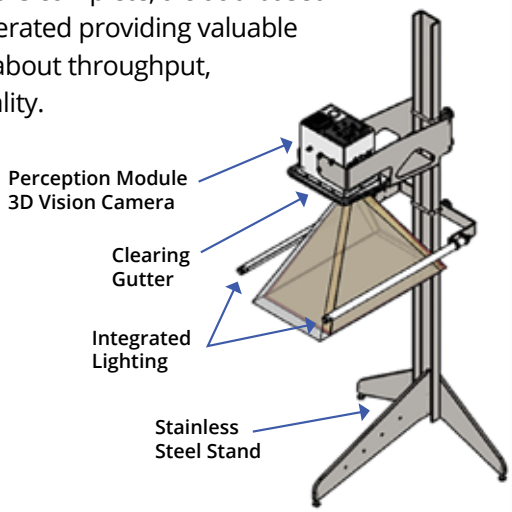
- Red = Corn Dog
- Green = Stick
- Blue = Burnt or Displaced Breading
- Yellow = Hot Dog Exposed

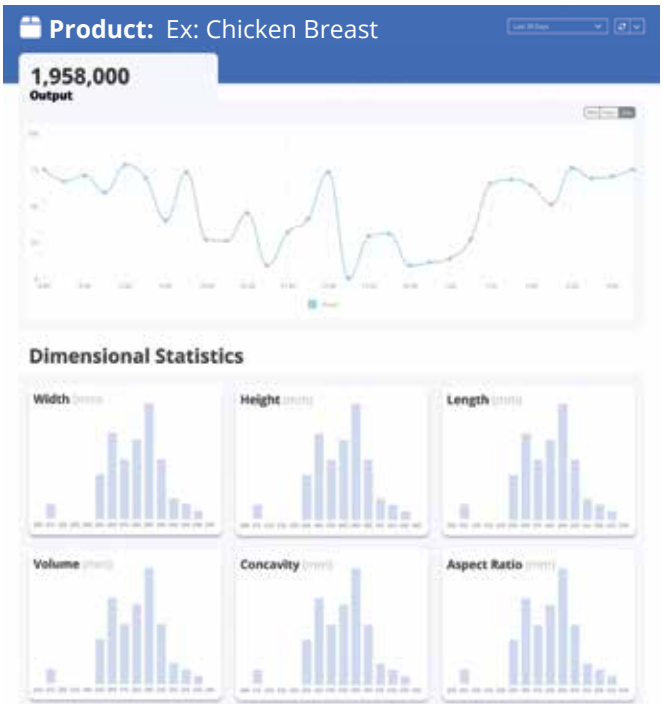
Classify product defects to help drive upstream process improvements, ensuring product quality.



HOW IT WORKS

The perception module acts as the 'eyes' of the solution. It collects high-resolution 3D images of products you want to inspect. Images are then analyzed through the intelligence module, the 'brains' of the solution. Once analysis is complete, a cloud-based report is generated providing valuable information about throughput, yield and quality.





Cloud-based reporting

32 Crosby Drive, Bedford, MA 01730 USA
SoftRoboticsInc.com | info@SoftRoboticsInc.com | 1(617) 391 0612