# Implementation

## CUMULUS vision system for can inspection.

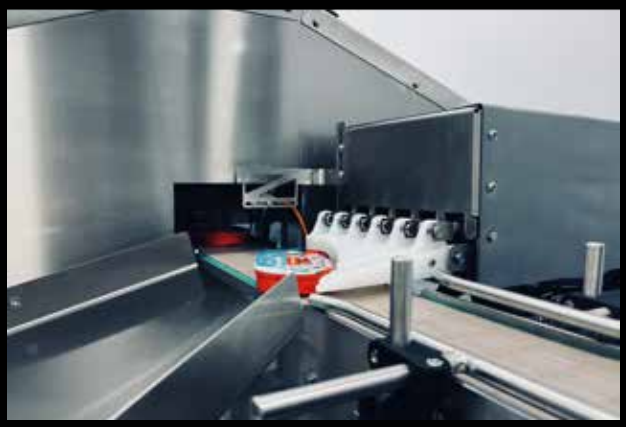
Incorrect sealing of food cans during production has serious consequences for product quality and food safety. It generates additional costs, causes delays, and reduces consumer trust. Scanway has developed a solution that effectively detects defects arising during the production process and enables automatic rejection of faulty products.

### System objective:

Verification of the metal can's compliance according to customer specifications, including validation of proper sealing, correct shape, accurate print, etc.

### Key features:

- compliance with food industry standards, IP67-rated,
- 100% production inspection — every item undergoes full inspection,
- throughput of up to 300 cans per minute,
- inspection independent of can shape: round, Club, or Hansa,
- integration with the existing production line,
- automatic rejection of defective cans,
- real-time analysis of data collected by the system.



### What the system detects:

- seam defects: droops, knocked-down seams, dents, body hook not engaged, excessive material protruding beyond the flange, cracks and cuts in the seam, cut flange, seam overlaps (seam jams),
- distorted geometry: dents and similar deformations,
- defective prints: incomplete print, print not matching the batch, lid-to-base mismatch,
- label defects: missing label, peeling, or misalignment,
- key defects: missing key or misalignment.

SCANWAY.

# SCANWAY.

light-based
writing technology.

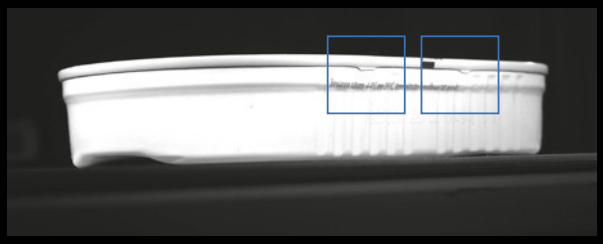


image from the system showing a double seam defect

image from the system showing a dent defect

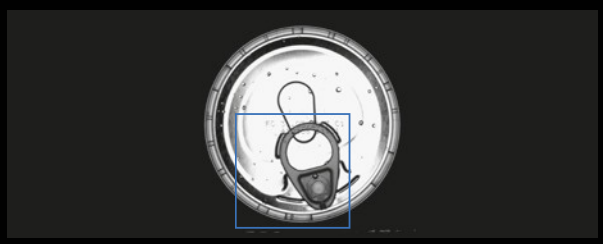


image from the system showing inspection of key presence and orientation

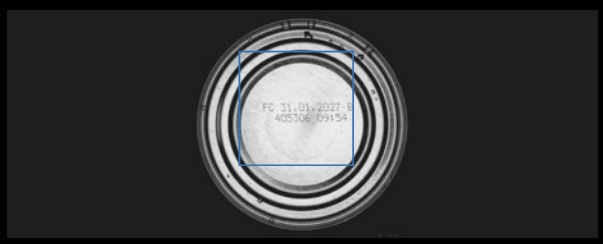


image from the system showing inspection of the expiration date

**300** cans/min

inspection throughput

**IP67**

the system complies with the above-mentioned food industry standard.

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