

# Genius<sup>®</sup> VISION SYSTEMS

## Bottle Can Inspection System



### **The most reliable, accurate, and simple to set up system in the world, guaranteed!\***

The Genius Bottle Can Inspection System is specifically designed to inspect the complex, challenging neck and curl (cap-seal) area of crown-cap type aluminum bottle cans.



This system automatically inspects 100% of containers at line speeds for splits and deformities in the curl area – including the underside – as well as for wall damage and malformation, and neck decoration defects. It automatically rejects defective containers off your line, its integrated alarm functions alert you to defect trends to help you quickly identify and correct the cause, and it provides statistical information to support process control. The system's unparalleled inspection capabilities and preprogrammed intuitive user interface provide an extremely reliable, easy-to-use, cost-effective advantage.

For world-class inspection capabilities that save you valuable time and cost, there's simply one solution. Genius. Only from Applied Vision, the global leader in machine vision for the food and beverage industry.

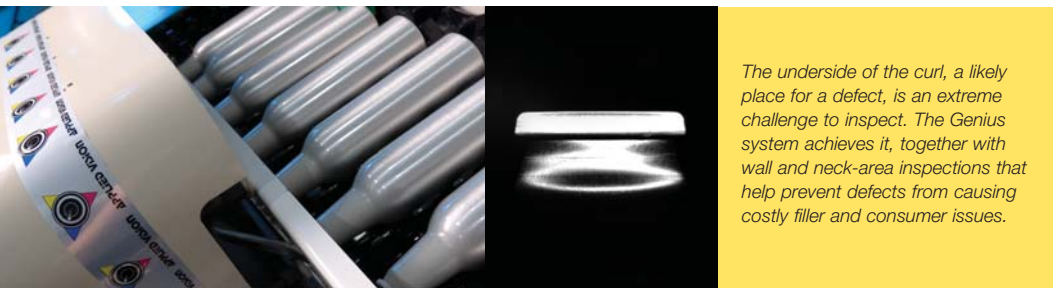
## Bottle Can Inspection System

The Genius system for bottle can inspection leads the industry as the proven reliable, application-specific solution for this container's unique challenges.

In the process of automatically inspecting for curl, neck decoration and wall defects, the system performs 360-degree inspection of the entire curl area, including the underside.

The easy-to-use, intuitive Touch-n-Go<sup>®</sup> interface for this application comes completely set up and only needs to be modified by an operator when bottle decoration changes. This is simply achieved with the interface's color graphic display and touch screen.

The system's specially developed digital four-camera configuration, custom-designed LED lighting, optics, and preprogrammed intuitive user interface combine to deliver the utmost in capability and efficiency for manufacturers of crown-cap type aluminum bottle cans, worldwide.



*The underside of the curl, a likely place for a defect, is an extreme challenge to inspect. The Genius system achieves it, together with wall and neck-area inspections that help prevent defects from causing costly filler and consumer issues.*

### Detects:

- Splits and deformities in the curl area, including underside
- Wall damage and malformation
- Neck decoration defects

### Features:

- Remote-mounted flat-panel touch screen user interface
- On-line setup
- Process feedback
- Digital I/O alarms
- Remote diagnostics monitoring and control
- Automatic image intensity adjustment for each part
- Solid-state lighting
- NEMA rated packaging
- Ease of use: intuitive, simple terminology, easy-to-understand graphics

**Get quick setup, 100% inspection at line speeds – and minimize costly spoilage. Look into Applied Vision's complete line of simply smart systems for food and beverage packaging inspection.**

### Specifications:

#### Environment:

- 0-45° C (32-113° F),  
Up to 90% Relative Humidity  
Non-Condensing
- Dual Vertical Dimensions:  
71 cm x 152 cm x 36 cm  
(28"w x 60"h x 14"d)
- Power: 120 or 230 VAC
- Air Requirements for  
Reject Blowoff:  
410-550 kPA (60-80 psi)

#### Communications:

- Digital I/O – Discrete  
Optically Isolated 8 Inputs  
and 16 Outputs
- Optional – Extended  
Configurable I/O for Results  
Export Feature
- Optional – Full Remote  
Operation via Internet  
Connection



*Specifications are subject to change without notice.*



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