

# Genius<sup>®</sup> VISION SYSTEMS



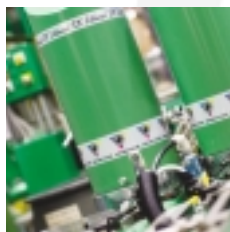
## Converted End Inspection System



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

The Genius Converted End Inspection System incorporates powerful yet easy-to-use algorithms to provide unparalleled inspection capabilities.

System setup is quickly achieved with our self-training, industry-leading Flawfinder<sup>™</sup> tools. Simply show the system acceptable parts, and let Genius do the rest. Genius will automatically identify defects and reject them off your line. Integrated alarm functions also notify you of trends such as extensive rivet or tab problems, allowing you to quickly identify and correct the cause, thus reducing overall spoilage.



For world-class inspection capabilities that save you the utmost in 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.

## Converted End Inspection System

The Genius system for converted-end inspection brings you powerful algorithmic functions designed specifically for the packaging industry. And it's all vastly simplified by our proprietary tools. Our intuitive Touch-n-Go<sup>®</sup> user interface makes system setup quick and easy. Our state-of-the-art illumination and NEMA rated enclosures ensure the best possible image quality, plus the ability to withstand harsh industrial environments.

With several configurations available, we can provide you with the level of inspection your customers demand. Our converted end system is available in single- and multi-camera configurations and can be configured to inspect the product or consumer side. Our camera and lighting enclosures mount directly onto your production line but can be easily retracted for maintenance.



*In many cases, Applied Vision's multiple cameras can serve a single processor, resulting in significant per-camera savings.*

### Detects:

- Curl defects • Tab alignment • Chuck wall • Rivet integrity • Compound
- Dents and scratches • Integrity of embossing • Diameter measurement
- Foreign objects • Compound splashes • Scrap in die and more...

### Features:

- Remote-mount flat-panel touch screen • On-line setup • Dedicated tab angle tool, pattern inspector tool and sub-pixel radius measurement • Process feedback helps reduce spoilage • Digital IO / alarms • Remote diagnostics monitoring and control
- NEMA rated packaging • Solid-state lighting • Automatic image intensity adjustment for each individual part • Product-side complete curl inspection without material handling • Ease of use: intuitive, simple terminology, easy-to-understand graphics, self-training

**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: 71cm x 122 cm x 36 cm (28"w x 48"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 Phone Modem or Network Connection



*Specifications are subject to change without notice.*



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