

Genius[®] VISION SYSTEMS

Inside Can Inspection System



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

The Genius Inside Can Inspection System provides unparalleled capabilities in a choice of two configurations that save space and cost.

Incorporating powerful yet easy-to-use algorithms, digital megapixel technology, state-of-the-art illumination and more, *Genius single-camera and two-camera systems* offer substantial advantages over typical multi-camera configurations.



System setup is remarkably simple with our industry-leading, proprietary tools and intuitive user interface. Then Genius does the rest, providing 100% inspection at line speeds, automatically identifying defects and rejecting them off your line. The system also provides statistical information to support process control.

For world-class inspection solutions 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.

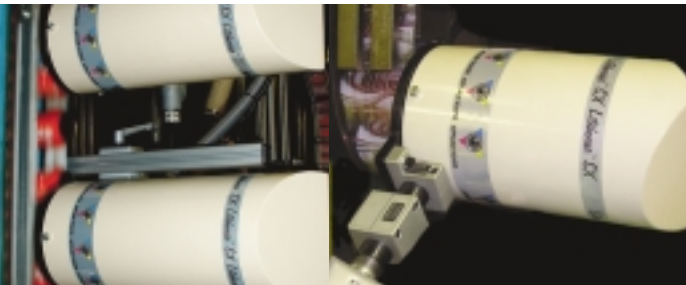
Inside Can Inspection System

Genius systems for inside can inspection deliver the unique combination of exceptional accuracy, simple programmability and efficiency. Two configurations are offered:

- **The Horizon™ single-camera system** recommended for can sizes 16 oz and under (utilizes neck-area reflection)
- **The Genius two-camera system** recommended for can sizes over 16 oz

High-resolution digital megapixel technology and proprietary optics let these Genius systems excel while saving space, complexity and cost compared with multi-camera systems.

Genius systems incorporate powerful yet easy-to-use algorithmic functions designed specifically for packaging applications. They feature our proprietary tools and intuitive Touch-n-Go[®] user interface that make programming simple and ensure image processing and analysis that detect the smallest defects. With image-by-image stabilization, they easily handle coil stock variations. State-of-the-art illumination and NEMA rated enclosures ensure the best possible image quality and the ability to withstand harsh industrial environments.



With advanced technology and optics, Genius two-camera (left) and Horizon one-camera (right) systems can take the place of larger multi-camera systems, saving space and cost.

Detects:

- Creases • Puckers • Wrinkles • Neck pleats
- Die/draw marks • Scratches • Dents • Coating voids • Narrow flange
- Flange defects • Flange measurement • Grease and oil stains
- Foreign objects • Metal whiskers and more...

Features:

- Remote-mount LCD touch screen U.I. • On-line setup
- Process feedback helps reduce spoilage • Necker correlation
- Digital IO/alarms • Remote diagnostics monitoring and control
- NEMA rated packaging • Solid-state lighting
- Automatic light intensity adjustment for each individual part
- 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: (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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