



Orion G6TM Inspection System

Colorimetric check and comparative
measurement in one smart machine



Production Proven.



Orion G6™

Applied Vision Corporation, the world leader in color inspection for the metal container industry, announces the latest addition to its portfolio of color inspection products.

Orion G6 inspects 100% of two piece cans on the production line at manufacturing line speeds providing complete 360° coverage of the can. Orion G6 creates a pristine unwrapped color image of the entire can surface and compares it to the reference image. Any differences – spatial defects, color shifts, registration, UPC degradation and fabrication flaws in the printing plates – are flagged, and out-of-spec cans are rejected.

Orion G6 is capable of performing detailed colorimetric measurements of cans on the manufacturing line providing 360° imaging coverage on both coated and uncoated cans.

Its unmatched color capabilities provide the user with chosen color spaces, (Lab, Luv, RGB, XYZ, CMY, HSI, LCh, or user specified) and an overall ΔE unmatched in the industry for repeatability and accuracy.

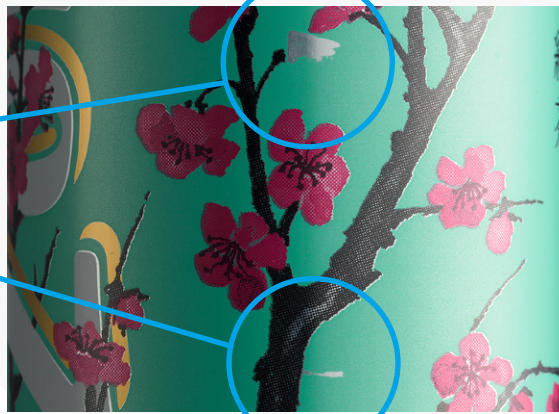
Detects:

- Pattern Defects
- Color Deviations
- ΔE Color Measurements
- Print Misregistration
- Incomplete UPC Codes
- Ink Spots
- Water Stains

Rapid Actionable Information:

- Defect Correlation to Blanket, Mandrel and Pin
- Configurable Alarms
- Automatic Decorator Shutdown Signal





Orion G6 finds very subtle defects at full production speeds, 24/7.



It's the perfect system to identify hard-to-see decoration defects including voids (upper left) and ink smears (left).

Multicamera Stitching Technology Creates a Pristine "Flat" Image.



Patent Protected

The origin of this technology dates back to the early 1990s. Applied Vision currently holds 35 United States Patents, 10 of which are related to color, with four of them directly connected to Orion.





Seamless Integration.

Specifications

- ΔE Measurement system; to ± 0.5
- Density measurement capability
- Color space measurements (Lab, Luv, RGB, XYZ, CMY, HSI, LCh or user specified)
- One button retrain for new labels
- Configurable alarms
- Imaging and inspection performed on both base-coated and non-coated cans
- Power requirements: 110-220 VAC
- Operating temperature: 0-55°C
- Dimensions: 24" x 26" x 20"

Specifications subject to change



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