



## **New!! Nondestructive Testing Technology Developed Especially for Gypsum Board Lines.**

**New high resolution sensors locate INTERNAL LACK OF FILL AND BLISTERS early in the process.**

- Self protective during plant startup.
- Non contact, Non intrusive, Non nuclear.
- Available as a stand alone system or as a module of the AccuScan Integrated Quality Assurance System.
- Detect process problems immediately when they occur for rapid correction and **Elimination of Defects Produced.**
- Another increment of the total instrumentation needs for Gypsum Board plants. Only from Automation Industries!

**Automation Industries Corporation**



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## Features of the Model 56550 Internal Defect Detector

- Well proven technology, excellent longevity, durable.
- Imbedded industrial grade PC provides for downloadable recipe selection, system diagnostics, process diagnostics and sophisticated detection parameters which are user defined, realtime display of product characteristics.
- Collimated sensor beams provide maximum defect detection capability.
- Sensor mounts rotate 90 degrees for startup and upset conditions that might cause damage to the sensors.
- Automation Industries clustered arrays provide 100% coverage of critical areas on the product.
- Available with defect marker array and auto reject signals.
- System circuit boards and transducers are form, fit and function design.
- Produced in antistat environment, preshipment burn in.
- Antifungal, antihumidity coating on circuit boards.
- Air coupled, noncontact, nonintrusive sensors.

### Specifications:

- Input voltage: 100 to 130 VAC, single phase standard, other input voltages available on special order. System draw is less than 10A at 120VAC.
- Outputs: Defect output is 1A, 120 VAC optoisolated solid state relay for each scan zone and for system alarm outputs.
- Interface: Numerous, specified at the time of order.
- Number of scan zones: Up to 16 standard, 24 and 36 available on special order.
- Minimum detectable defect size: 0.500" at line speeds up to 600fpm. From the minimum size, the detectable size is user defined by setting multiple parameters which define "defect".
- Frequency of operation: 50khz to 100khz standard, others available.
- Sensor update rate: Programmable up to 135 samples/sec/scan zone.
- Product thickness capability: 1/4" through 5/8". Commitment for guaranteed function is based on evaluation of customer product samples.
- Process line widths: 4' and 5' standard product widths.
- Electronics enclosure: NEMA 12 or factory floor pedestal.
- Operating temperature range (ambient): 0 through 135 degrees F.
- Humidity: Noncondensing.
- Structural: Steel structural tubing, fabricated steel parts, machined steel parts.
- Coatings: Primed, then covered followed by texture, catalyzed polyurethane enamel.