



FLAWSCAN COATING

On Line Inspection System for Coated Glass

OVERVIEW

■ See It **Makes visible what is not possible at production speed**

FLAWSCAN™ COATING system prevents defective material from reaching your customers.

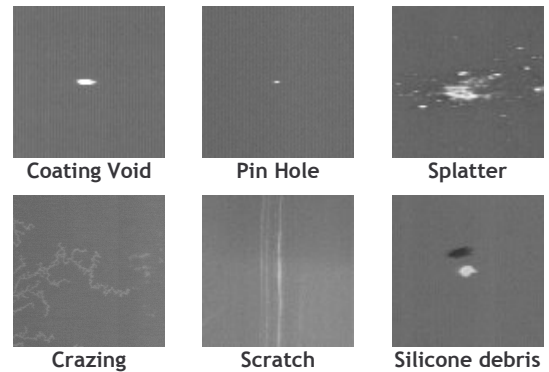
In order to ensure quality production in coated glass industry, i2S has introduced the FLAWSCAN COATING system. This system is a dedicated Glass industry for performing online optical quality inspection of coated glass. This system provides instant quality information in order to better grade the production (Architectural, residential, reject) and optimize the production.



■ Like It **Provides high quality real time defect images and results**

FLAWSCAN™ system delivers the highest quality defect images, allowing reliable data for optimizing the production process.

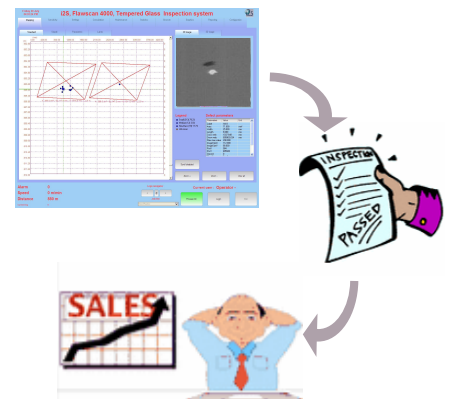
Each defect is analyzed and classified. The images are displayed and archived in predefined categories, such as : Coating void, pin hole, splatter, crazing, scratch, debris. Classification is performed using a state of the art artificial intelligence engine for a more reliable classification and a very intuitive system configuration.



■ Use It **Innovative solutions that create value for our clients**

FLAWSCAN™ systems provide a “window into your manufacturing process” to enable increased yield and process improvement.

Providing real time feedback on your process, FLAWSCAN enables you to respond quickly to process upsets. Combined with automatic marking or sorting systems, inspection process can be fully automated in order to increase productivity and ensure quality standards. Thanks to reliable statistical information on your process, FLAWSCAN ensures a better understanding of the source of your defects, to assist in preventing their future reoccurrence. i2S assists in maximizing your ROI.





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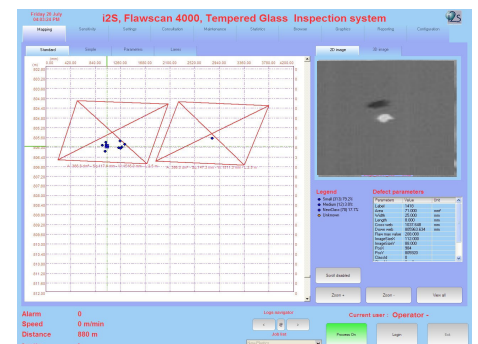
PERFORMANCE

FLAWSCAN™ COATING offers the most advanced technology for online coating inspection to meet the performance requirements of both today and tomorrow. The system is available with several options such as bottom scratch channel and color banding defects.

- Typical Products Inspected : Low Emissivity, Reflective Glass, coated glass
- Typical Defects : Pin hole, coating void, burn, crazing
- Optional bottom scratch channel: As an option Flawscan Coating Glass system can be supplied with a bottom scratch channel to ensure detection of scratches caused by transportation during coating
- Optional Color Banding channel : As an option Flawscan Coating Glass system can be supplied with a color camera to inspect for low contrast banding defects occurring during the coating process
- Minimum size of detection : 50µm to 300µm typically depending on the configuration
- Typical web speeds up to : 100m/min, camera speed up to 100 000 images per second
- Lighting technology : LED with very long life time and reduced maintenance
- Interconnectivity : Alarms, markers, OPC option available to interface with your process

■ Software

FLAWSCAN™ COATING system is delivered with a full suite of comprehensive user interface for both online monitoring and off line consultation. Results are displayed in real time to the operator and archived in a database. Any computer on the factory network can consult the archive. Several graph/report features are available for post production analysis and process documentation



■ Installation Examples

