FLAWSCAN 4000 PLASTICS

Plastic Films & sheets Optical Inspection System for Quality Control and Process Optimization

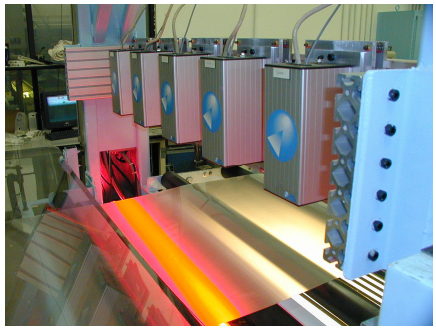
OVERVIEW

i2s linescan

■ See It

Makes visible what is not possible at production speed

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

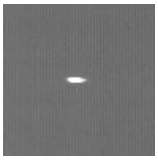


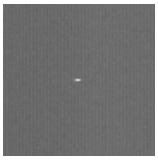
FLAWSCAN™ system performs 100% inspection of clear transparent, mat and opaque film and provides comprehensive reports for each roll as well as global production statistics. This information, provided in real time, enables quick identification of repeating or continuous defects and applies immediate corrective actions on the process, thereby increasing production capacity and reducing waste. FLAWSCAN™ makes visible what is not at production speed.

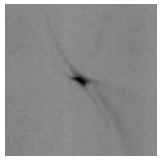
■ Like It

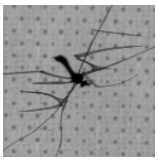
Provides high quality real time defect images and results

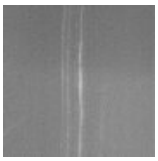
FLAWSCAN™ system delivers the highest quality defect images, allowing reliable data for optimizing the production process.

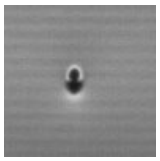

Coating Void


Pin Hole


Contaminant


Insects


Scratch

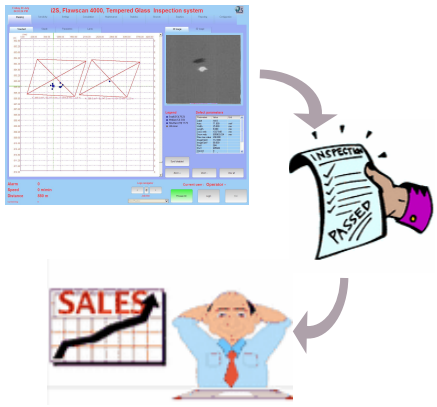

distortions

Each defect is analyzed and classified. The images are displayed and archived in predefined categories, such as: dust, spots, streaks, dark clusters, etc. Classification is performed using a state-of-the-art artificial intelligence engine, which results in more reliable classification and 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.



Going beyond a simple defect detection FLAWSCAN™ solutions are used as a yield and process improvement system. Providing real time feedback on your process allows customers to act quickly in case of process upset. For the post processing of the rolls, operators can very easily retrieve the major defects at the slitting station and remove them without wasting important production time. With reliable statistical information on your process, sources of defects are discovered and prevented in the future.

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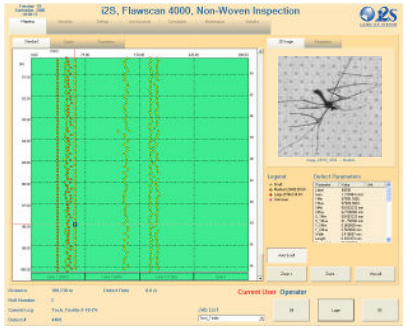
PERFORMANCE

The FLAWSCAN™ system offers the most advanced technology in web or sheet inspection to meet the performance requirements of both today and tomorrow. Based on a flexible network architecture FLAWSCAN™ systems can very easily be adapted to match your present and future inspection requirements. Based on your process and detection needs the i2S FLAWSCAN™ can be configured to provide the appropriate system solution. Below is a list of typical system performance and process line parameters for the web, sheet process and converting industries.

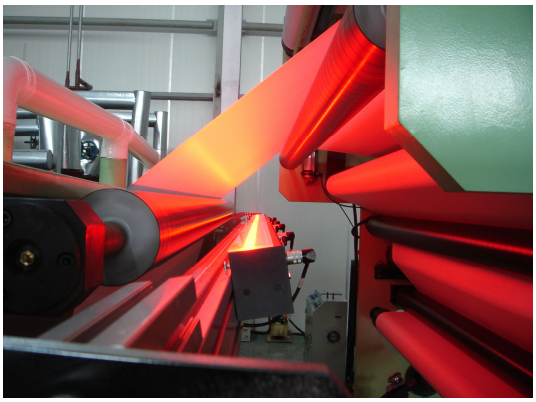
Typical Products Inspected	:	Optical film/sheet, coated laminated films & foils, Cast & Biax film
Typical Defects	:	Distortion, Gels, Insects, Contaminants, Coating Void, Streaks, Scratches… Detection to 25µm
Typical web speeds up to	:	600m/min, camera speed up to 100 000 images per second
Maximum web width	:	typically 10m
Lighting technology	:	LED with very long life time and reduced maintenance
Interconnectivity	:	Alarms, markers, OPC option available to interface with your process

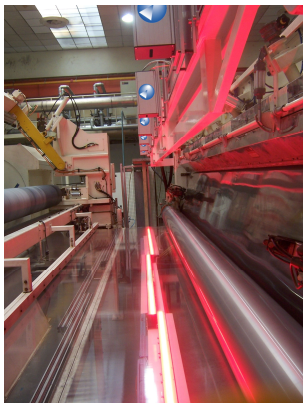
Software

FLAWSCAN™ 4000 PLASTICS 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





GLOBAL WORLDWIDE SERVICE

A complete range of services for a full quality control and optimization of your process

As part of our product offering i2S LINESCAN provides a complete range of services throughout the lifetime of the installed systems: definition of your requirements, installation, optimization, training, maintenance…

i2S LINESCAN team is assigned to help our customers to define the best system architecture to meet their requirements and maximize their return on investment.

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