



High Quality
Optical Inspection for Processed Glass
P² (PowerPlate)-INSPECT
Maximize Quality – Increase Efficiency

ISRA
VISION



High Quality by Optical Ins

Precise. Reli

Fully automated. High-precision. High Speed – Optical Inspection

ISRA's state-of-the-art automatic automotive and architectural glass inspection is designed to increase efficiency and quality in production. The combination of the best technologies available ensures a secure high quality product control and throughput. Using high-end cameras and special illumination layouts, combined with sophisticated detection and classification software allows for superior inspection results.

Improve Quality. Increase Yield. 100 % Inspection Inline

P²-Inspect is the fully automatic inspection solution for automotive and architectural glass. It's usage makes manual inspection obsolete. It enables the successful recognition of glass defects, like inclusions and scratches, as well as edge defects, like shells, all while in-process and down to the μm range. The result: optimized processing, reduced operating costs, increased profitability.

The Solution for Automotive

Return on investment is achieved



P²-INSPECT Automotive

This solution inspects the surface of incoming glass screens for surface and edge defects, after cutting and grinding, to fulfil automotive glass quality requirements. The increased sensitivity enables the detection of fine scratches based on patented ISRA Cross Dark Field technology. All types of free-form automotive glass, e.g. windshields, sidelights, backlights, sunroofs, etc. can be inspected.

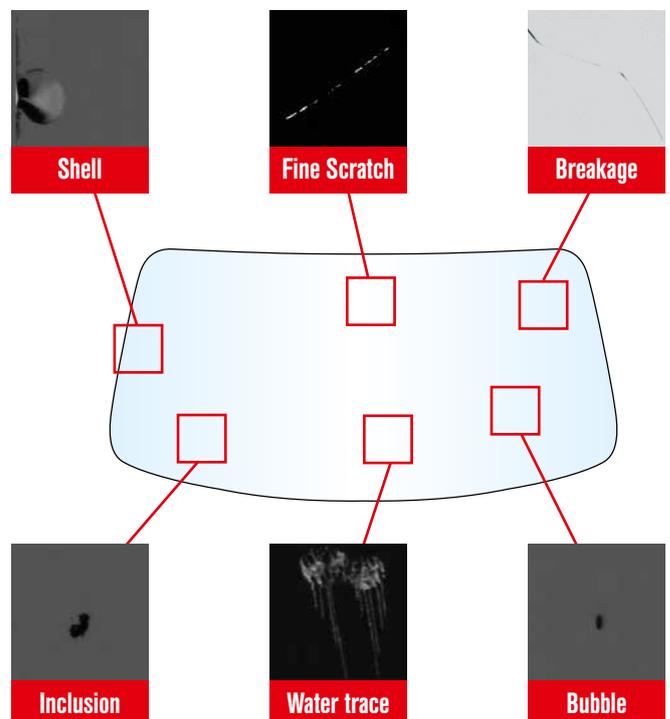
The advantage: defective screens are eliminated at an early process stage, with cost reduction, time and material savings.

Benefits

- All glass colors
- All automotive glass types
- Automotive glass quality
- Free-form recognition
- Reliable, objective and consistent

Features

- In-line inspection at the highest sensitivity
- Fine scratch detection
- Severity check
- Customized quality grading
- Statistics and analysis tools for process optimization



pection for Processed Glass

able. Efficient.



Benefits at a Glance

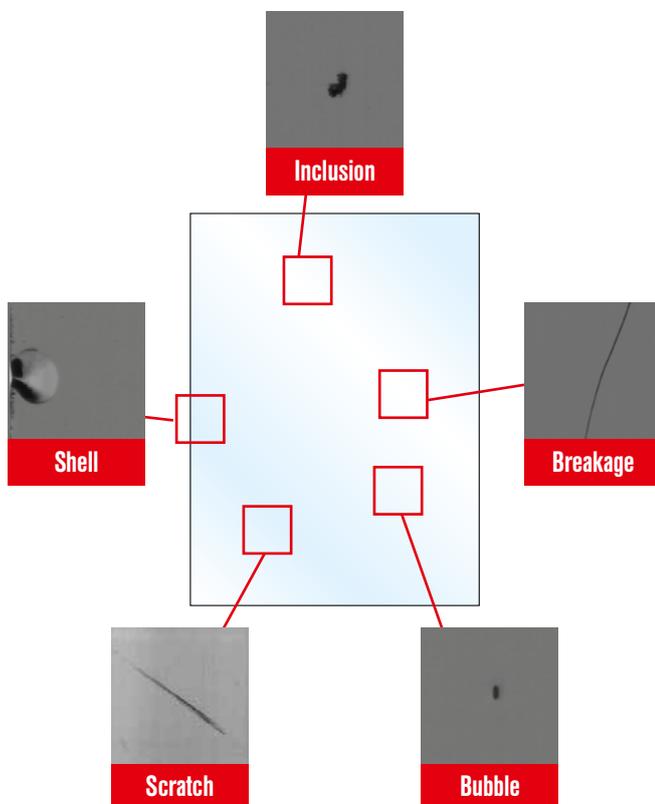
- No more manual inspection
- Seamless integration into existing process lines
- Production process optimization
- No wear and tear parts
- Ready for Industry 4.0

Applications

- Automotive Glass
- Architectural Glass
- In-line Measurement
- Optical inspection
- Suitable for all glasses
- High-speed, High-resolution
- From rectangular to free-form glass

ve and Architectural Glass

chieved in the shortest times



P²-INSPECT Architectural

ISRA's solution for architectural glass inspects the surface of incoming glass sheets for surface and edge defects after washing. Furthermore the panel shape is inspected including length, width, and rectangularity deviations.

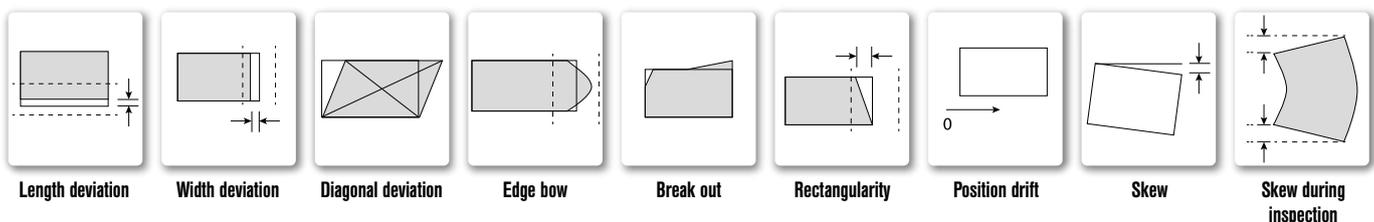
The advantage: defective sheets are eliminated at an early process stage, with cost reduction, time and material savings.

Benefits

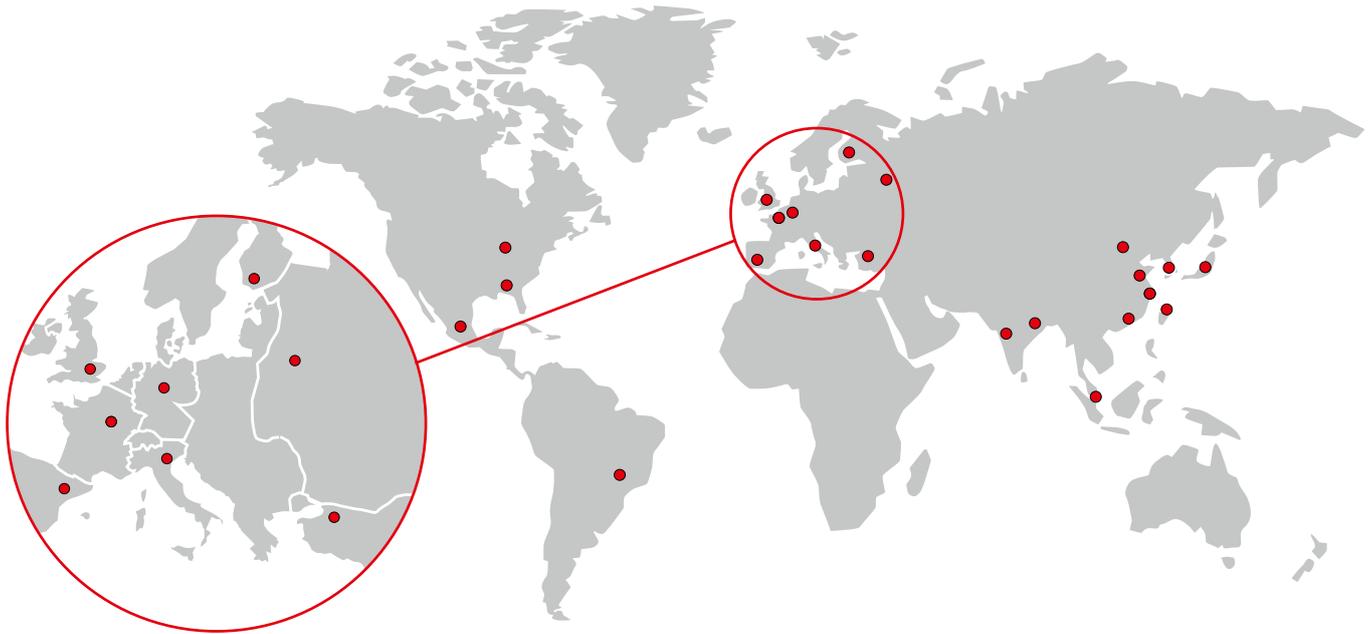
- High speed inspection
- Architectural glass quality
- Batch inspection
- Zone based quality grading
- Reliable, objective and consistent

Features

- Panel shape measurement
- Inspection zone definition
- Severity check
- Customized quality grading
- Statistics and analysis tools for process optimization



Innovations for Automated Optical Inspection



**We are the innovators in optical inspection.
Best practice. Best system. Best service.**

For over three decades, ISRA VISION has become a leading manufacturer of highly accurate automated optical quality inspection systems.

More than 10,000 successful applications reference our sustainable experience in the field of machine vision products – and our ability to innovate.

Today our products are operating worldwide in such industries as glass, plastics, foils, print and automation. It is our goal to set system standards for total process control in these industries.

Customers choose ISRA for the ability to develop products consistently to their requirements. More than 900 employees at 25 locations worldwide are working to contribute to your success.

Your global partner for surface inspection.

We offer our experience and a highly qualified team of experts to design and implement solutions for advanced applications.

We assure that our mission continues beyond our shipping dock. Just challenge our Customer Support and Service Center (CSSC).

We guarantee excellence to our customers – from consulting to service, from tailored solutions to worldwide support. We can make your business more competitive.

**Challenge Us.
Inspect to Control – with ISRA VISION**

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Optimize your ROI with the technology leader **ISRA**
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