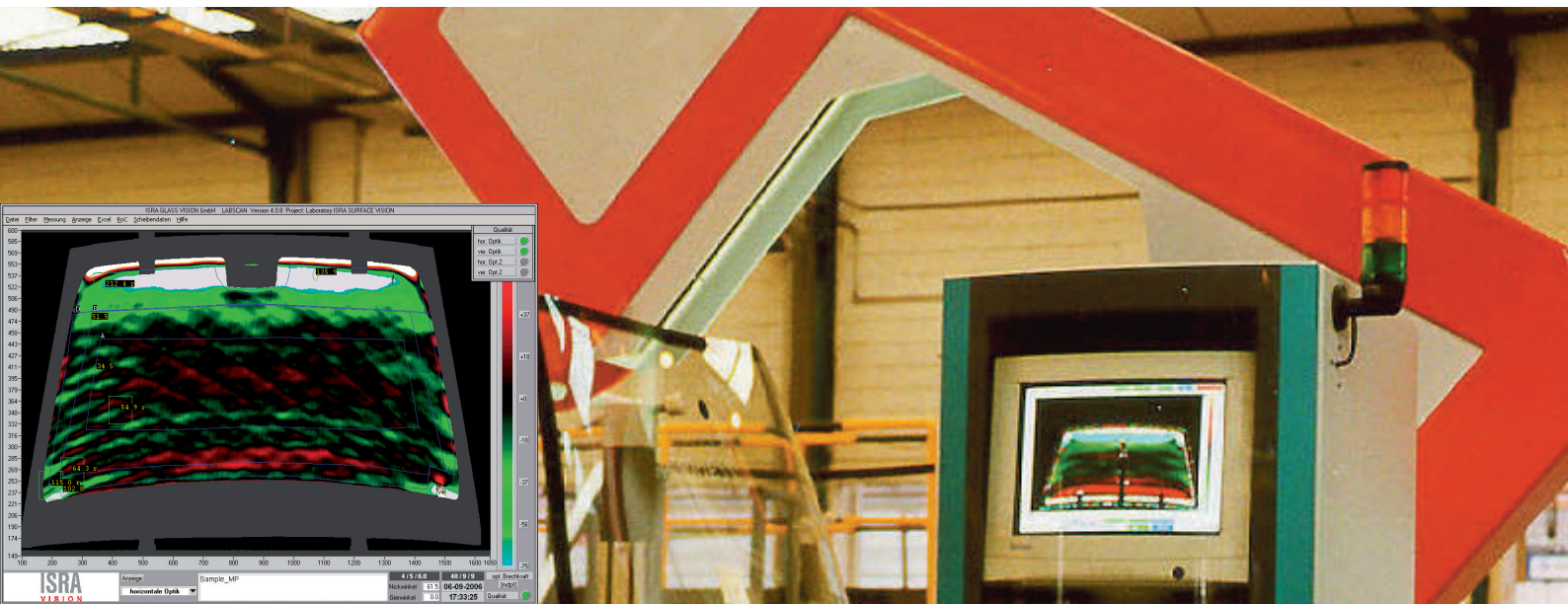


SCREENSCAN-Faultfinder

Online Inspection of Transmitted Distortion



Inspection Task

SCREENSCAN-Faultfinder has become a well-known standard in the car glass industry to control optical distortion on the production line. The proprietary Online-Moiré-Technology ensures real, reliable and repeatable measurements with the highest resolution and accuracy.

Integration and Process Reliability

The slim design of the SCREENSCAN-Faultfinder allows easy installation at an existing conveyor. If needed the conveyor will be evaluated to ensure the measurement accuracy. The installation will be done by a system expert and comprehensive training is an integral part of our scope of supply. Follow-up service and consulting complete our standard deliverables.

Integration and Process Reliability

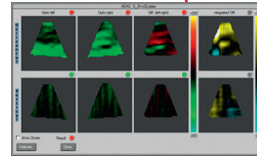
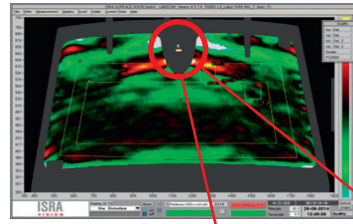
- All screens: windshields, back lites and side lites.
- All directions: horizontal and vertical distortion (float optic).

Applications

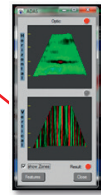
- Online inspection of transmitted distortion
- Accurate and reliable measurement thanks to Online-Moiré-Technology
- Reliable delivery of proved optical quality
- Reduction of customer complaints
- Analysis of process related defects
- Quality decision with data protocol
- Comparable results to LABSCAN-Screen
- ADAS evaluation tools

System Features:

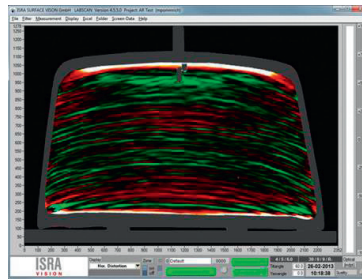
- ADAS evaluation tools
- Color coded displays for horizontal & vertical transmitted distortion (multiple display viewing function)
- Intensity picture (black and white) for quick result overview
- Inspection of all areas down to 9% transmission, e.g. shade-band
- Definition of screen specific settings
- Automatic loading of pre-defined screen type settings and features incl. filtering etc.
- Up to 16 free configurable zones (region of interests)
- Simultaneous evaluation of all features for all zones:
 - Maximum function
 - RoC (Rate of Change) function
 - Blob analysis
- Adjustable quality levels (up to 3, each) for all features and zones
- Unlimited number of different screen type settings
- Data file of measurement results



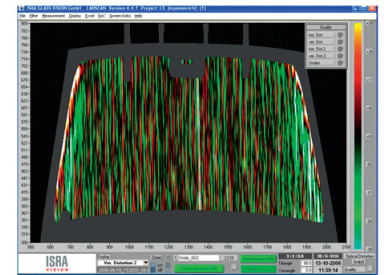
Stereo result



Mono result



Horizontal distortion



Vertical distortion

Further available software tools:

- Software filter for heatgrids
- Measurement point function (reduced online version)

Max. screen size	up to 1350 mm height at 60°, other sizes on request
Measuring range	± 400 mdpt > with accuracy
Conveyor speed	Up to 40 m/min, higher speeds on request
Cycle time	5 sec for data processing after measurement
Measuring point resolution	0.8 x 1 mm ²
Glass transmission	> 9 % at 550 nm at measurement angle

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