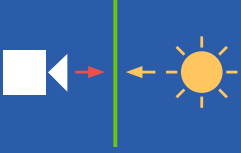
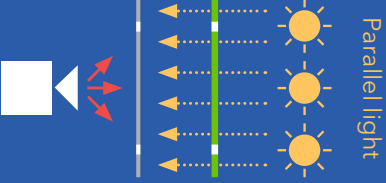
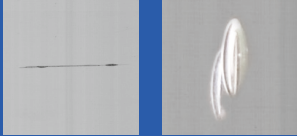
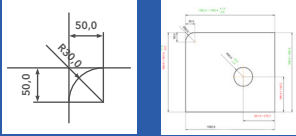


Quality Checker SG

Defect detection and dimensional validation
of processed glass plates

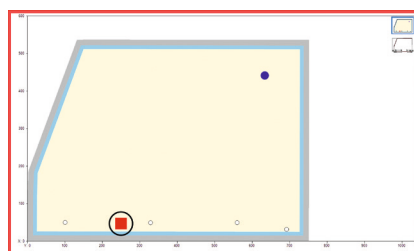


Quality Checker SG

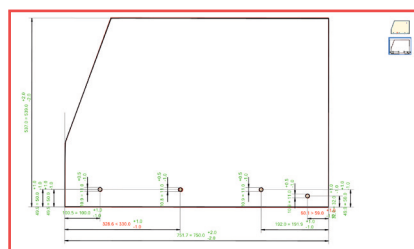
	WORKING PRINCIPLE	CONCEPT
Illumination and detection channels	Brightfield channel transmission  Simulation of a bright diffuse sky	Telecentric brightfield channel in transmission  Parallel light projection
Detection with special focus on:	 Defects with clear contour / contrast	 Contour check and hole or notch position

OBJECTIVES

- Start a final quality check of the complete glass plate after fabrication
- Analyze defect causes within the process
- Optimize your internal processes



Operator view - defects



Operator view - measurements

SYSTEM

- Installation after washer in a variety of glass fabrication processes
- Telecentric detection compares control dxf file against measured results. Enables:
 - Size control (width and height)
 - Control of holes and cutouts (area and diameter / geometry)
- Reliable defect detection in telecentric brightfield for detection of standard glass defects like scratches, bubbles, inclusions, dirt, residues etc.
- Documentation of the results
- Intuitive operator interface allows for clear visualization of the glass defects and measurement comparisons
- Meets the requirements under ASTM C1036, EN 1279 or JIS R3209 for the defect detection of architectural glass

PATENT NUMBERS

US 9,766,188 B2
 DE 102013105693.8
 Int. PCT/EP2014/061456

WE ARE SETTING THE STANDARDS