



Jumbo Controller

Reliable detection of glass defects at the beginning of the value chain

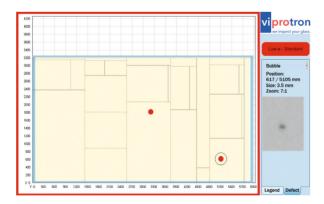


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	WORKING PRINCIPLE	
	Brightfield channel transmission	Brightfield channel reflection
Illumination and detection channels	■◆→→	
	Simulation of a bright diffuse sky	Simulation of direct light reflection
Detection with special focus on:		
	Defects with clear contour / contrast	Coating defects

OBJECTIVES

- Avoid processing defective raw glass
- Improve productivity of downstream processes
- Improve glass yields by providing data for reoptimizing the cutting plan with interface to the PPS system
- Avoid accidents by identifying broken glass
- Evaluate raw glass supplier performance



Operator view manual workflow

SYSTEM

- Installation between tilt table and cutting table
- Detection of standard glass defects like scratches, bubbles, inclusions, dirt and foil defects, without prior washing
- Defect detection despite separation powder on the glass surface
- Modular setup with standard scanning in brightfield channel and upgradeable with a reflection channel
- Display the defects within the cutting plans in manual workflow
- Detection of glass breakage and dangerous cracks
- Complete audit capability for each processed raw glass sheet

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WE ARE SETTING THE STANDARDS

