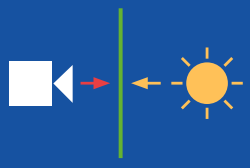
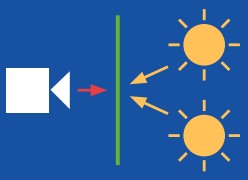
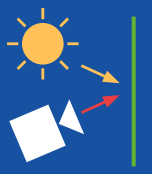
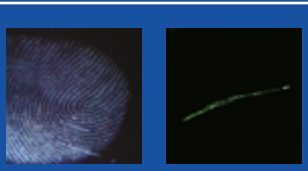
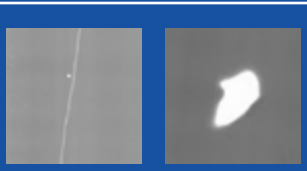
viprotron
we inspect your glass.

Quality Scanner 3D

Glass quality control with superior performance

Quality Scanner 3D

Illumination and detection channels	WORKING PRINCIPLE		
	Brightfield channel transmission	Darkfield channel transmission	Brightfield channel reflection
			
	Simulation of a bright diffuse sky	Simulation of lateral sunlight	Simulation of direct light reflection
Detection with special focus on:	Defects with precise contour	 Defects low in contrast	 Coating defects

OBJECTIVES

- Advanced glass defect detection system designed for the most demanding applications
- Minimize claim rates using the state of the art classification system allows for detailed root cause analysis of defects
- Reduce costs associated with scrapping glass by gaining the ability to rework defect in real time

SYSTEM

- Can be installed both horizontally or vertically in a variety of glass processes
- Modular, scaleable system allows for multiple detection channels to create the best possible contrastive detection for all types of defects
- Comes standard with brightfield detection channel for typical defect detection (bubbles, seeds, scratches, etc.)
- Upgradeable with a darkfield channel to detect low contrast defects typically very difficult to detect (roller marks, hazy residues, hairline scratches, etc.)
- Upgradeable with a reflection channel to detect defects typically found in coatings (coating scratches, pinhole etc.)
- Intuitive operator interface allows for clear visualization of the glass defects
- Meets and exceeds the requirements under ASTM C1036, EN 1279 or JIS R3209 for the defect detection of architectural glass
- Quality recipes can be modified and developed to specific customer needs
- Each defect channel displays its individual defect image (up to three images per defect)
- Full suite of reporting tools allow for complete audit history of production
- Can be used as a stand alone solution or integrated into the line control or separate ERP system

WE ARE SETTING THE STANDARDS

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