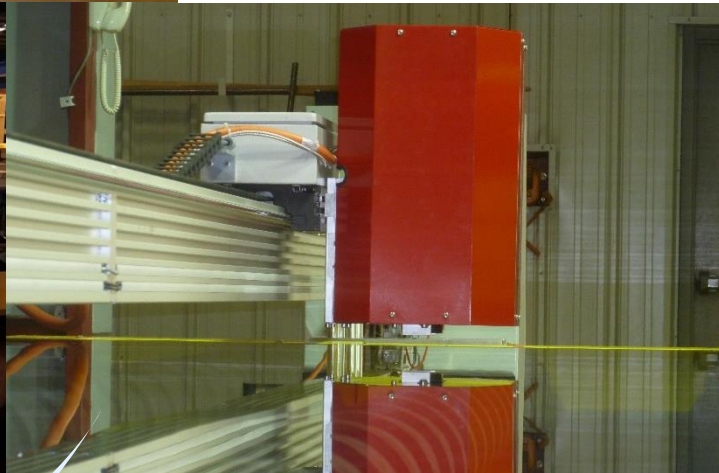
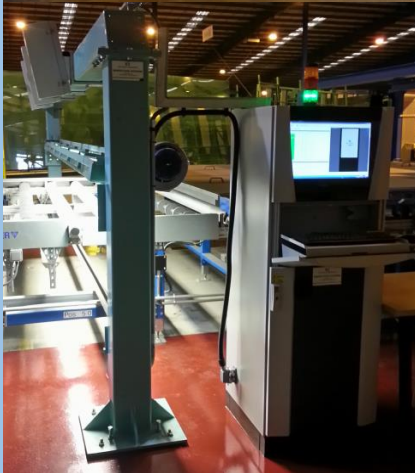
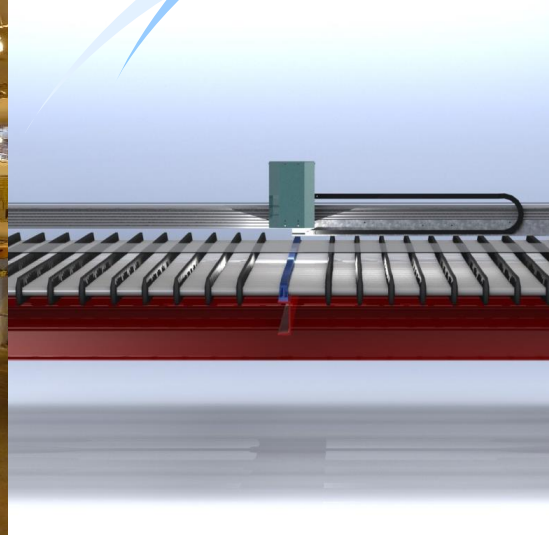




Inspection Systems



Eagle-I

IQ

AG

TG

Glass measurement systems



Eagle-I

Cut plate inspection for dimensional verification and edge quality

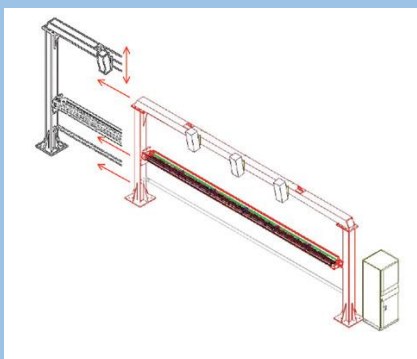
Inspection Systems has worked in float glass inspection since the late 1980s and the Eagle-I system was one of the first cut plate glass inspection systems brought to market. We now have over 100 automated vision systems across 6 continents, serving clients such as Pilkington NSG, Guardian Industries, St Gobain, Cardinal FG, AGC and the PFG Group.

Features

- Stand-alone or redundant configurations
- Scalable solution across all conveyor widths
- Clear and easy to use GUI
- Real-time measurement display
- Detailed visual plate data for defect analysis
- Production statistics and management info
- Selectable reject types
- Full integration with plant control equipment
- Diagnostic and plate data logging facilities
- Remote diagnostic tools for off-site support

Benefits

- Improved operational efficiency
- Faster tracing of defects
- Reduced wastage
- Yield maximization
- Detailed statistical information
- Ease of installation
- Low maintenance



Our equipment is integrated to plant from companies such as Grenzebach, Bottero, Bystronic and the ICAP Group and offers functionality ranging from the measurement of powder particles to jumbo plates and from the automatic rejection of bad glass to robot stacking of good glass.

Eagle-I is the industry leading cut plate inspection system for float glass, offering full conveyor coverage for main line, side leg and off line applications. It allows for the automatic inspection and rejection of all bad glass to user defined tolerances with minimal operator intervention.

Cut plate inspection tests include:

- Dimensional verification of width and length
- Squareness errors
- Plates skewed on the conveyor
- Broken or missing plates
- Snap fails
- Corner & edge defects
- Shells & flares
- Ink marks

The system is available in a range of configurations and uses multiple cameras to give both high accuracy and full conveyor coverage, allowing complex plate arrangements to be inspected. The modular design and tight hardware/software integration employed within the Eagle-I system ensures that the required functionality is delivered at an optimal cost.

These features allow detailed analysis of the reasons for glass loss, enabling specific problem areas to be targeted and increases in quality and yield to be achieved.

Eagle-I+ extends the standard Eagle-I functionality to a fully redundant system at optimal cost. The system uses a single gantry but provides independently powered and controlled cameras and lighting and requires less than 1.5m of line space.

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