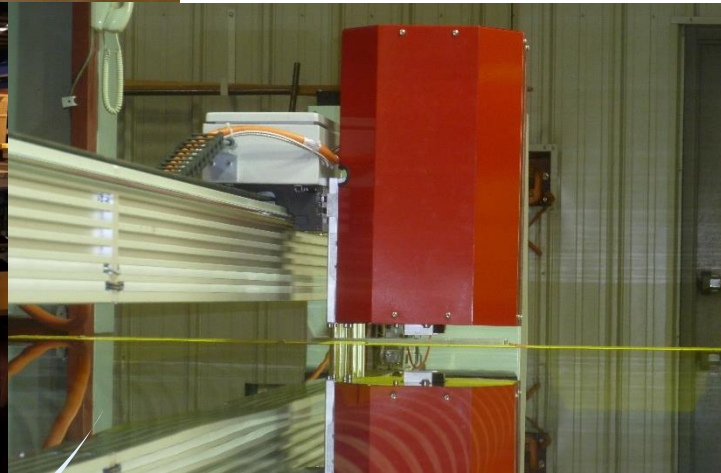
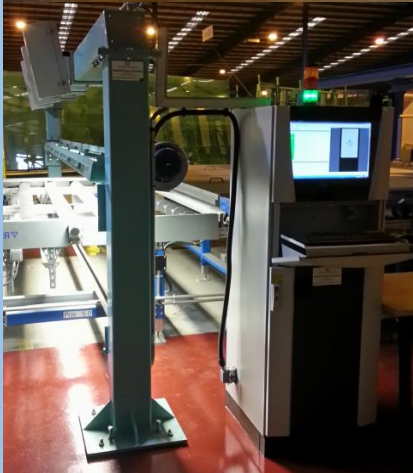
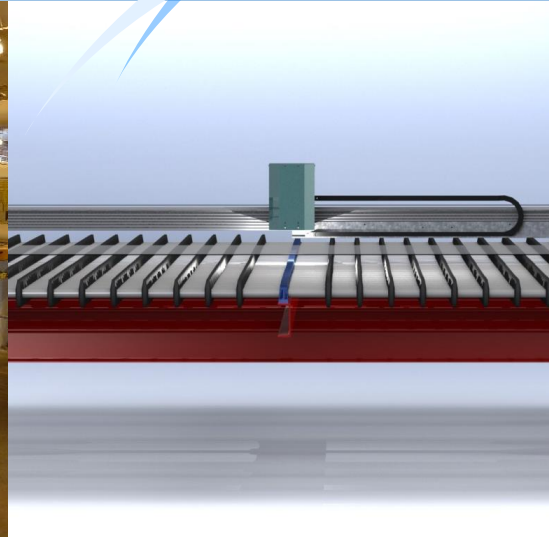




Inspection Systems



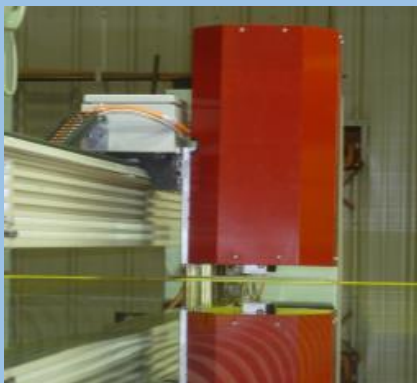
Eagle-I

IQ

AG

TG

Glass measurement systems



TG

Thickness gauge

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.

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.

TG provides a real-time online assessment of glass thickness and is available in both cold end and hot end configurations.

The hot end gauge utilises a fully enclosed cooled sensor head with a bespoke gantry which may be positioned either in a basement under the lehr or at a suitable slot such as those used for pyrometer measurements above the lehr.

The cold end gauge offers an optional stress module, and both systems utilise a pyrometer to provide temperature measurements.

The motion controlled head provides full conveyor coverage allowing profiles or point readings to be taken.

The modular design and tight hardware/software integration employed within the system ensures that the required functionality is delivered at an optimal cost.

The TG system offers the following general specifications:

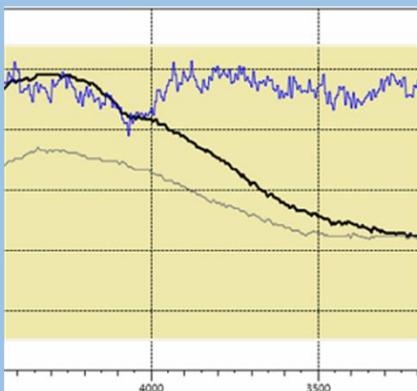
- 0.7 – 25mm thickness range
- 2.5µm (0.0001") resolution
- 0 – 650°C temperature range
- 0.4°C resolution
- Unlimited stress range
- ± 5nm (±0.5 MPa in 4 mm float glass) accuracy

Features

- Hot or cold end solutions
- Scalable across all conveyor widths
- Clear and easy to use GUI
- Real-time measurement display
- Detailed visual data
- SQL database support
- Full integration with plant control equipment
- Remote diagnostic tools for off-site support

Benefits

- Improved operational efficiency
- Consistency of measurements
- Immediate feedback
- Detailed profile information
- Ease of installation
- Low maintenance



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