SmartRay

APPLICATION NOTE

GLASS THICKNESS MEASUREMENT

ECCO 95+

3D INSPECTION SENSOR

In the glass manufacturing industry, the thickness and size of the glass products are strictly controlled.

The traditional contact measurement method is slow and very expensive, and by its nature can cause secondary damage to the glass.

Technological developments have resulted in alternative, non-contact methods to measure the glass thickness becoming available to the market. However, these products tend to be relatively slow and expensive, limiting their suitability for many applications.

SmartRay's **ECCO 95.015G** 3D sensor is a faster and more cost-effective solution that measures the glass thickness based on the principle of laser triangulation. Its compact size makes inline integration easy and this, in combination with the rapid scan rate, dramatically improves productivity compared with competing methods.

The sensor only needs to scan the glass once, accurately reading the data on two layers of glass simultaneously, and then uses third-party software processing to acquire the measurement data of the glass thickness.

The maximum scan rate is up to 8,000 Hz, while the applicable glass thickness for testing and measurement ranges from 0.1mm to 5.5mm.

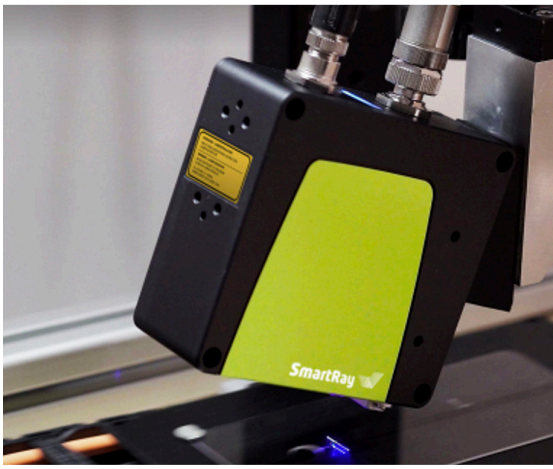
In addition to measuring the thickness, the **ECCO 95.015G** can also detect the flatness of the upper and lower surfaces of the glass.

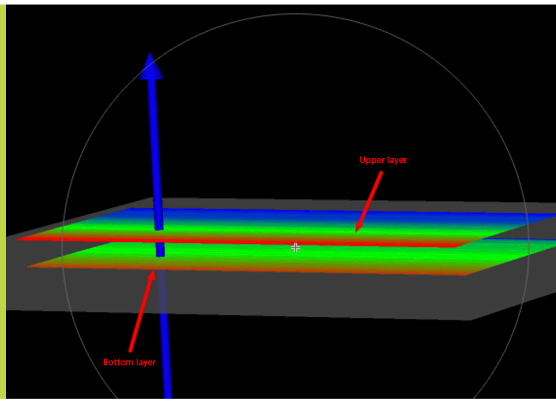
This makes it the perfect application solution for detecting transparent flat glass used in electronic products, automotive, and other specialist glass.

Additionally, customers can choose their preferred third-party vision or own software framework for a completely customizable, cost-effective solution.

ECCO 95.015G — innovative 3D glass detection technology:

- Designed specifically to measure glass and specular surfaces
- High-speed 3D scanning
- Superior 3D image quality
- Ultra-high-resolution imaging
- Economic and compact





FOR MORE INFORMATION PLEASE CONTACT US:

SmartRay GmbH
Bürgermeister-Finsterwalder-Ring 12,
82515 Wolfratshausen, GERMANY
www.smartray.com
Email: info@smartray.com
Tel: +49 (0) 8171 9683 400

SmartRay

Certainty in metrology