

## Press Release

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### **On the occasion of Glasstec 2010, Grenzebach Algoscan presents the new float glass inspection system IQLine G-Float**

The new float glass inspection system IQLine-G Float being introduced by Grenzebach at Glasstec 2010, will not only accurately detect and classify possible defects and provide overall quality control at the cold end of a float glass line under production conditions – it also has an excellent price-performance ratio.

Based on the most recent illumination technologies, extremely rapid signal processing and sophisticated analysis and classification algorithms, the system is able to reliably detect defects such as bubbles, inclusions, scratches, cracks, particles, drip, indentations, marks, knots and distortions. For the system design special attention was paid to the detection and evaluation of defects by means of refractive properties.

The system can be easily scaled to cover all float line widths and is equipped with very long-lasting components.

For maintenance and service purposes, the illumination systems are conceived so that they offer easy access from outside the line without impacting on the production process. All equipment used in the illumination systems is designed to protect against glass breakage.

The cameras which are used include an automatic adjusting mechanism, so that routine maintenance, installation and replacement in case of failure can be easily carried out.

The user interface is of course user friendly so that its handling and operation can be easily learned. Users of all levels can work intuitively when operating the system.

The interface is fully integrated with the process and data base as well as the cutting control system and marking system, which complete the system.

It is also possible to integrate systems for thickness, temperature and stress measurement.

The system comprises the following technical data:

- Configured widths of up to 4600 mm, larger widths available according to specification
- Resolution approx. 130 µm
- Material speed up to 30 m/min
- Glass thickness up to 25 mm, bigger thicknesses available according to specification

Grenzebach is a global corporation with many years of experience in Flat Glass Technology. Please visit us at Glasstec, Hall 15 Booth B42.



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