



New Optris Glass Tempering Scanner (GTS) for Glass Manufacturer

Optimized system solution measures temperatures regardless of coatings

Berlin, Germany– With the new Glass Tempering Scanner (GTS), Optris is introducing a comprehensively **modernized system** solution for temperature monitoring in glass tempering facilities. The new system measures the temperature distribution of the glass from below the production line and, for the first time, using just a single **PI 640i G7 thermal camera**. This was made possible by a newly developed, unique super-wide-angle lens with a **120°** field of view. The resulting highly compact GTS measurement system can thus capture the temperature distribution across the entire width of the line, largely independent of coatings (**Low-E glass**).

Compared to previous system solutions, the GTS has been **significantly optimized**: The PI 640i G7 thermal camera used in the system covers a wide measurement width

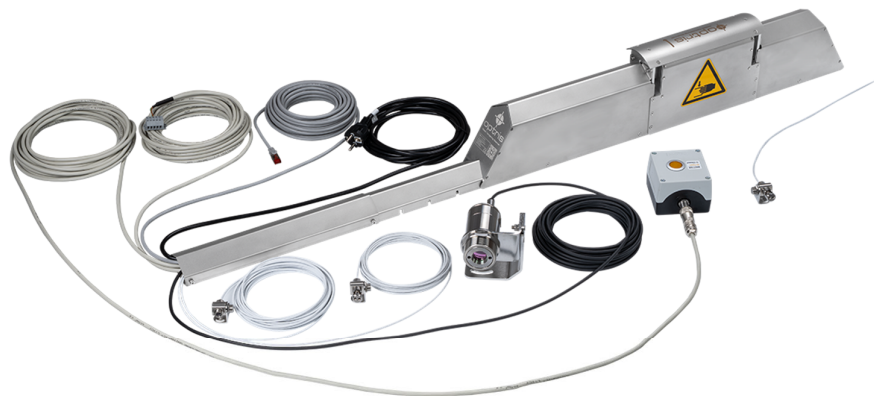
at a resolution of **640 × 480 pixels**. Depending on the operating mode, scan widths of up to 3.5 m at 125 Hz or even up to 4.3 m at 32 Hz are possible.

Easier integration into glass tempering lines

A key focus of this new development is to make installation and commissioning as straightforward as possible. The GTS main unit is delivered pre-assembled and pre-configured. All cables for external components—such as the **furnace door** and **glass breakage sensors** and the **aiming support IR radiators**—are 10 meters long and can be easily connected to the GTS via plug connectors. The wide-range power supply enables worldwide use with **mains voltages** ranging from 100 to 240 V at 50–60 Hz.

For plant operators, commissioning is therefore essentially limited to mounting the system and aligning the scan line. This can be carried out conveniently and flexibly using **PIX Connect software**, which already includes a predefined layout for the GTS. As with the previous version, the new GTS also features a shutter that quickly and reliably protects the high-quality camera optics from falling hot glass fragments in the event of glass breakage. The supplied stainless-steel **cable duct system** can be adapted on site to all common system widths in 5 cm increments. The GTS is also prepared for optional air cooling, enabling operation at ambient temperatures above 45 °C.

The GTS and its components come fully pre-assembled



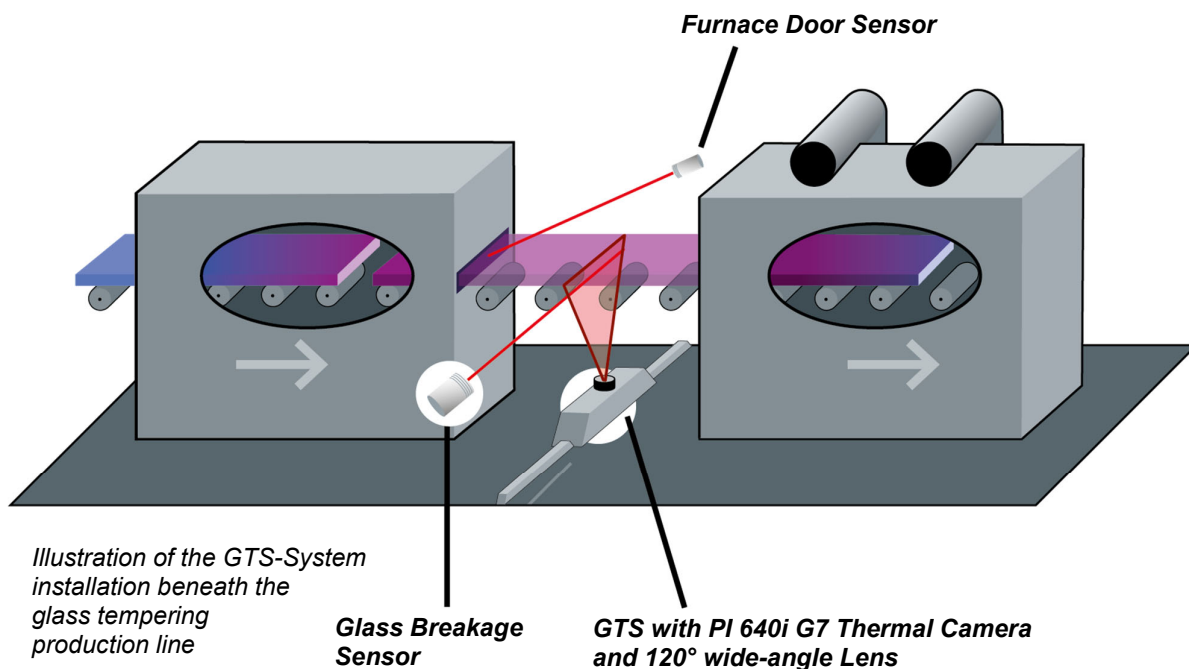
The reduced number of individual components and the use of only one camera also simplifies maintenance and servicing while reducing the integration effort for new or additional installations.

Press contact: Stephan Wilke | Mail: pr@optris.de

Optris GmbH & Co. KG | Ferdinand-Buisson-Str. 14 | 13127 Berlin | www.optris.com

The GTS is designed for standalone operation and can be put into service immediately after mechanical and network integration. The Optris software **CompactPlus Connect** and **PIX Connect** are used for configuration and visualization. Predefined layouts in PIX Connect make it easy to get started and allow, among other features, the display of temperature profiles, thermal images, measurement ranges, alarm states, and process histories.

[2.990 characters]



About Optris GmbH & Co. KG

Optris GmbH & Co. KG was founded in 2003 and has established itself as one of the leading manufacturers of non-contact temperature measurement devices. Its product portfolio consists of both wearable and stationary infrared thermometers and online infrared cameras for thermographic real-time analyses. Optris develops and produces in Germany to ensure the highest standard in quality as a key component of its company policy.

Terms of publication and use:

Please send a print copy of the publication. There is no charge for using this publication. Please provide a specimen copy if published.