

Market innovation at glasstec 2016 VGA infrared camera for the glass industry

Line scan camera for the production of glass panes and container glass

Again, Optris GmbH introduces a new infrared camera for the glass industry at the glasstec 2016. With its 7.9 μm filter, the thermal imager **optris PI 640 G7** is perfectly suited for the measurement of glass and, due to the VGA resolution, offers an even wider range of possible fields of application. “The software **optris PI Connect** enables the use as a line scan camera, which is essential for the temperature control of glass ribbons and glass panes” declared Torsten Czech, Head of Product Management at Optris.

Temperature measurement under difficult conditions

Temperature monitoring is crucial in the glass industry and it is an integral part of almost all stages of the production process. In confined and hot surroundings, temperature can sometimes only be determined by room sensors. The compact infrared thermometers and cameras of Optris enable the operation even in confined spaces with high temperatures. The thermal camera monitors the temperature distribution in cooling processes of flat glass production as well as in the production of container glass.

The material glass requires special sensors

For the accurate measurement of temperatures, emissivity is a key factor. Glass usually exhibits an emissivity of 0.85 μm in the longwave range. In processes with higher temperatures, it is measured with 5.0 μm or 7.9 μm because in those spectral ranges the emissivity is ≥ 0.95 . The main advantage of 7.9 μm is the lower angle dependency of the emissivity.

About Optris

Optris was founded in 2003 and established itself as one of the leading manufacturers of non-contact temperature measurement equipment within a decade. The product range consists of both portable and stationary infrared thermometers and online infrared cameras for thermographic real time analyses. Optris products are developed and produced in Germany to ensure the highest standards in quality, a central element of company policy.

Images

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optris-infrared-camera-pi-640-g7.jpg

Subline: VGA infrared camera with 7.9 μm filter for the glass industry.

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optris-software-pi-connect-glass-bottles.jpg

Subline: IR temperature measurement at the glass production.

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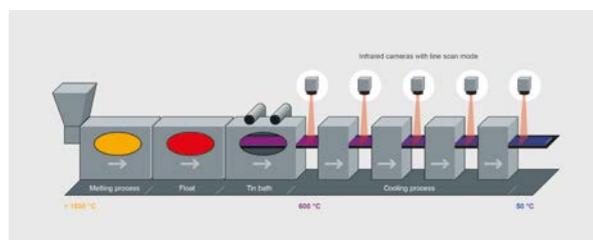


optris-measuring-areas-flat-glass-production.jpg

Subline: Possible fields of application at the flat glass production.

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