

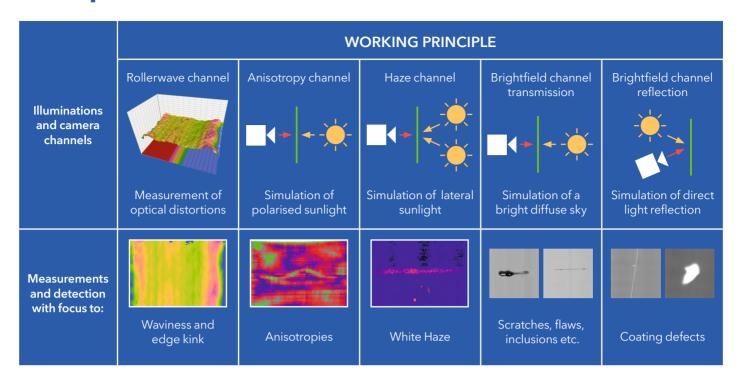


Temper Scanner 5D

Complete metrology scanner after furnace exit: Rollerwave, Edgekink, Anisotropy, White Haze, Scratches and Coating defects

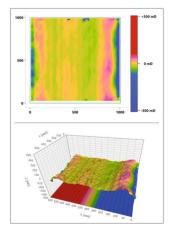


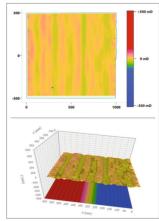
Temper Scanner 5D



OBJECTIVES

- Create process stability and a reliable quality standard with regard to optical distortion / edge kink, white haze, anisotropies and typical glass and coating defects
- System designed to allow for the optimization of the tempering process and ensure reliable results
- Store complete detailed record of each lite scanned for reference or audit purposes to avoid costly liability issues





Measurement results of strong (left) and weak (right) optical distortion and edge kink

SYSTEM

- Modular complete metrology system, as well as glass defect detection after furnace exit
- Novel measurement method based on innovative geometric metrology techniques
- Measurement of optical distortion / edge kink of tempered glass and display of results in Milli Diopter
- Optional anisotropy channel, which meets the requirements under ASTM C1901 21 / DIN SPEC 18198 for the measurement of optical retardation of architectural glass
- Optional white haze channel can be added
- Optional brightfield channel to detect high contrasted defects with a precise contour
- Optional reflection channel to detect coating defects
- Different special and intuitive user interfaces for operators and supervisors
- Comprehensive documentation and statistics for every glass sheet

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Detailed analysis tools allow for furnace optimization

WE ARE SETTING THE STANDARDS



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