INES**Optics**

Polariscopio

High-performance Glass inspection

InesOptics

![INES Optics logo]

Machine Vision System for the Detection of residual stress in transparent materials

The strength and manageability of crystals and plastics depend heavily on the internal mechanical forces of the material. But even small residual stresses influence the optical properties, which is undesirable in many applications. Therefore, the measurement of the residual stress is an important part of the quality control.

Its advantages

Objective and reliable results
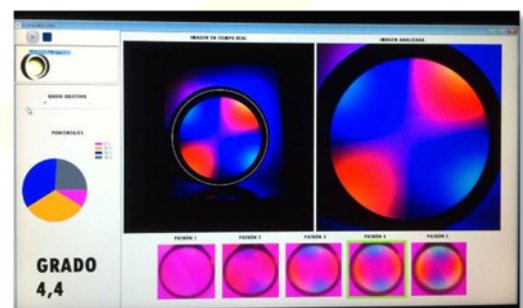
Simple and safe operation

Improvement of the quality in the productive processes

Automatic traceability by recording all results

Reduce costs by optimizing production processes

The instrument designed and manufactured by **InesOptics** is based on an artificial vision system and image analysis software that allows calculating the Apparent Temper Number **ATN** and the Real Temper Number **RTN**. It has a **calibration** function with respect to a certified standards scale (BGIRA Standard Strain Disc)

Customer-specific accommodations and special solutions are available on request. All information is non-binding and subject to change without notice at any time.