

# Strainoptics

Bulletin VRP-100 Rev 8/21

## Measure Residual Stress in the **BLACK BAND** of Automotive, Laminated and Tempered Glass



The **Strainoptics** VRP-100 Reflection Polarimeter permits accurate stress measurements within the black-painted band of automotive windscreens, sidelites, and backlites without removing paint or applying reflective coatings.

### The measuring process is fast and **NON-DESTRUCTIVE.**

This procedure allows testing for near-edge tension and edge compression to be performed on deliverable products. The system offers the following advantages:

- Full-field view of the glass edge, so the operator can instantly recognize problem areas
- Non-destructive, non-contacting inspection
- Double the sensitivity and precision of transmission-based measurements
- Measures clear areas in reflective mode with supplied reflector accessory or in transmission with optional illuminator

### Specifications

- +/- 5 nm resolution (+/-0.5 MPa in 4mm glass)
- 80-watt LED fiber-optic illuminator (Hi-intensity LED light source optional). 115V standard but 220V available.
- A-100 Senarmont analyzer with fractional scale (Direct nm retardation readout scale available)
- Tint plate for enhancing readability in low-stress glass optional
- Optional calibration gage for instrument verification and standardization
- Optional telescope and mount for measuring edge compression
- Free training at Strainoptics facility
- Unlimited phone/email technical support

**Strainoptics** manufactures a complete line of non-destructive stress measurement and optical distortion instrumentation and provides testing, training, and consulting services to glass manufacturers.

Ask us for details!

