

# Osprey<sup>®</sup> 9 Complete

Anisotropy, Distortion + Flatness Inspection System  
for Tempered Glass

LiteSentry<sup>™</sup>

Setting the Standard in Glass Inspection

INSTALLED ON  
ANY BRAND OF  
TEMPERING LINE

DISTORTION  
INSPECTION:  
MEASURES FLATNESS  
AND DISTORTION

ANISOTROPY  
INSPECTION:  
MEASURES  
IRIDESCENCE AND  
AVERAGE STRESS

DATA AND IMAGES OF  
EVERY PART SAVED

100% TRACEABLE  
AND AUDITABLE  
FOR FULL  
ACCOUNTABILITY

USER-DEFINED  
QUALITY  
THRESHOLDS FOR  
ANISOTROPY,  
DISTORTION, AND  
FLATNESS

## OSPREY<sup>®</sup> 9 Complete

Anisotropy, Distortion + Flatness Inspection System for Tempered Glass

Developed in partnership with Stress Photonics, the global leader in optical stress analysis for over 20 years, and designed for installation on any brand of tempering line.

The measurement of anisotropy – aka strain or iridescence – has long been sought to improve the tempering process by architects, developers, and building owners. Accurate and repeatable measurement allows the user to reduce the phenomena through improved process control.

The Osprey<sup>®</sup> 9 Complete is a major breakthrough offering online inspection and visualization of anisotropy, distortion and flatness of each glass sheet. The inspection system for tempered glass is the most technically advanced on the market.

The Osprey<sup>®</sup> 9 Complete creates a paradigm shift in tempering by measuring all types of iridescence, white haze, average residual stress, edge stress, and ALL types distortion, not just roller wave or edge kink.

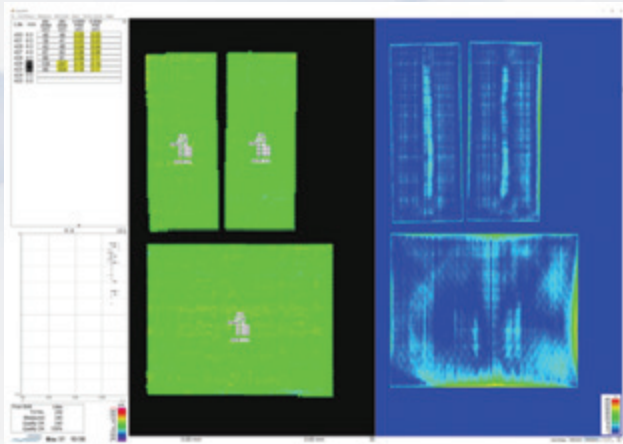
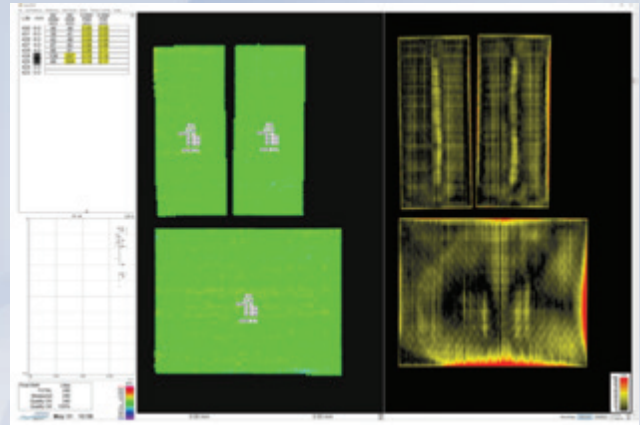


*Stress  
Photonics*

## Osprey® 9 Complete Inspection System

Iridescence is frequently visible when glass reflects the polarized light of blue skies or water. In these situations, light that would naturally pass through the glass rotates, causing shimmering patterns where glass stress is high and reflected, and dark patterns where stress is low and Transmitted. Top two parts exhibit heat stain or white haze.

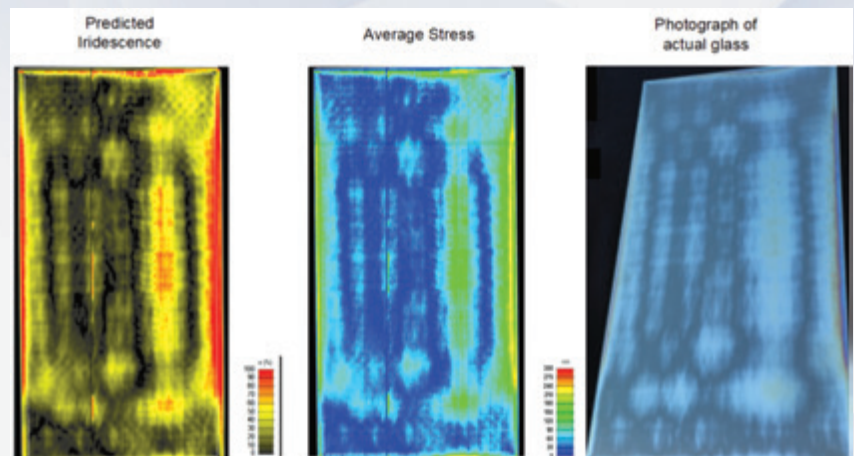
Osprey® 9 Complete displaying iridescence on the right and distortion on the left. »



LiteSentry, in partnership with Stress Photonics, offers Anisotropy Inspection integrated with the industry leading Osprey Distortion Inspection system. With two state-of-the-art inspection systems housed in a single unit, the Osprey® 9 Complete provides 100% inspection, offering visualization and quantification of the most challenging problems in glass fabrication.

« Osprey® 9 Complete displaying retardation on the right and distortion on the left.

Osprey® 9 Complete iridescence map on the left, retardance map in the center and actual photo of glass sheet showing iridescence on the right. Osprey® 9 Anisotropy real-time inspection and data collection at four polarization states provides the end user with an accurate prediction of iridescence that could be seen in the field.



### CONTACT US TODAY:

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**LiteSentry.com**

» **OSPREY® 9 Complete** » Anisotropy, Distortion + Flatness Inspection

» **OSPREY® 9 Distortion** » Distortion + Flatness Inspection

» **TemperQC™** » Complete Tempering Quality Control System

» **HAWK® 4** » Scratch + Defect Inspection

» **OWL® 3** » Recipe Selection + Fault Detection

» **RAVEN® 12** » Thickness + Coating Sensor

» **FALCON®** » Precision Size + Geometry Inspection

» **LOAD VALIDATOR** » Load Geometry + Fault Condition Detection