LiteSentry™

Setting the Standard in Glass Inspection

Owl™ 5

Recipe Selection + Fault Detection System for Tempered Glass

- ▶ increases line throughput and efficiency
- ▶ automates and optimizes recipe selection and furnace control
- ▶ ensures correct load geometry
- ▶ improves optical quality
- ▶ detects faults before glass enters critical processes
- ▶ interfaces with all furnace brands
- ▶ increases profits
- ▶ identifies every coating and glass product

www.glassquality.com

The Owl™ 5 Recipe Selection + Fault Detection System is a rugged, non-contact optical system aimed at automating and improving tempering or coating process. The Owl™ measures glass thickness, type of low-E coating (one, two, or three silver layers, as well as fourth surface low-E), glass dimensions, and sheet locations.

A key element of a comprehensive quality inspection system, the Owl™ 5 provides accurate, repeatable, consistent measurement of glass size, load size, and critical fault conditions likely to cause glass breakage and subsequent interruption to coating or tempering systems.

Productivity and quality have been proven to increase over 20 %!

The Owl™ 5 works on batch tempering lines and is effective on clear glass, hard or soft coat low-E, tinted or reflective glass. The system measures glass widths of 500-3,500 mm (20-138 inches).

▲
Watch the Owl video online
Scan the code or visit
www.glassquality.com/products/owl-5/
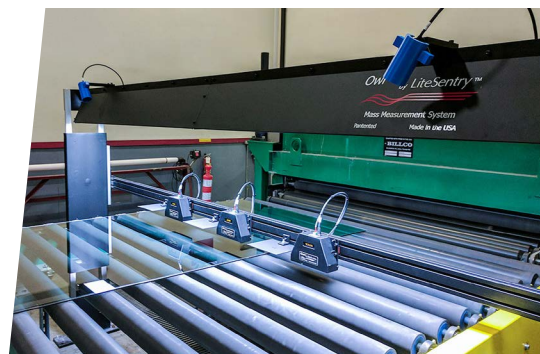
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Recipe Selection + Fault Detection System for Tempered Glass

FEATURES

▶ automatic furnace control selects recipe, based on real-time measurement of exact product, piece size and bed percentage

▶ increase throughput and quality with optimized heat times— selected properly each and every time

▶ reduces lost production time due to recipe changes

▶ eliminates operator errors due to incorrect inputs

▶ all products detected for individual recipe selection—any coating / glass combination (excludes pattern / texture glass)

▶ no lost time, glass ready, recipe selection happens in seconds without operator input

Faults Detected

▶ wide load, part overlap, vent or short crack, broken glass, short part, minimum distance between parts, corner off, and long load

Data Outputs to the Furnace

▶ area and location of each glass sheet

▶ product ID, based off coating and glass

▶ percent bed utilization

Data for Production Management

▶ quality and throughput statistics by line, shift, day

▶ cumulative yield for shift, day, week

Missing Part Notifier Technology

▶ provides a check for losses in the furnace

▶ the Owl™ 5 interfaces with an Osprey™ Distortion Scanner to confirm each load is complete—if there are missing or broken parts, it will alarm the operator

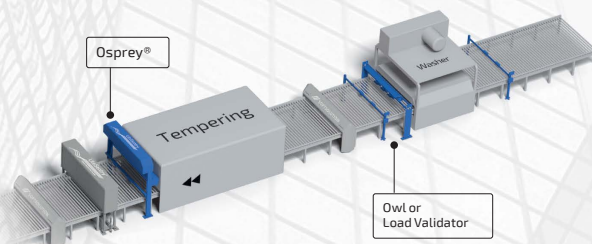▶ Missing Part Notifier provides a .csv report for all loads
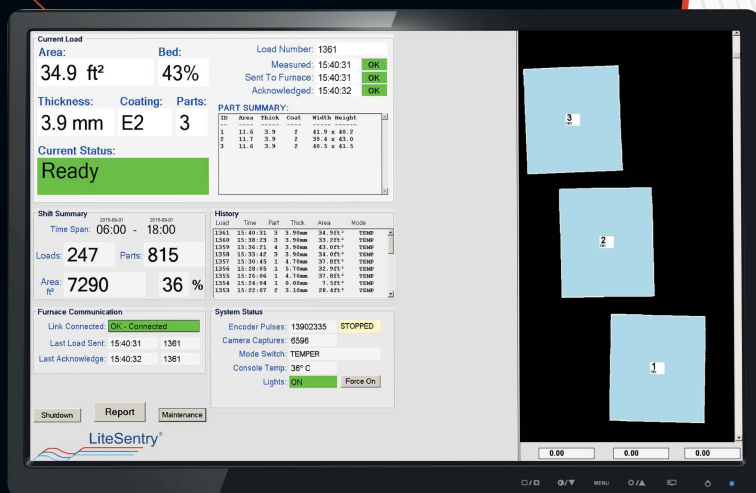
▲ *Owl™ Display Screen*

Learn more at
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LiteSentry™

SOFTSOLUTION

Strainoptics

Osprey®

Tempering

Washer

Owl or Load Validator

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