



The EScan LuxscanLine represents a major step into a new application for Weinig - optimized sorting by strength. A range of different options for sorting by strength now enable certified production of glulam, DUO, TRIO and other strength-related products.

Escan is an inspection system for components with strength requirements in accordance with EN-14081. EScan calculates the strength class of a board on a cross conveyor via its dynamic E-module (MOEdyn,long) and the density  $\rho$ . A hammer causes the board to vibrate, which is measured by a laser interferometer. The density ( $\rho$ ) is calculated from weight and dimension measurements.

The bending strength is then calculated using statistical models. This proven method delivers consistent results for calculating the mechanical resistance (strength class) of a board.

# Weinig EScan-



## Overview and features

### Benefits of EScan

- Up to 180 boards / minute
- Dynamic E-module measurement via laser interferometer
- Density measurement via dynamic weighing and dimension measurement
- Measurement during throughout feed (board does not have to be stopped for measurement)
- Easily integrated into existing production lines
- User-friendly control interface (touchscreen)
- Detailed production statistics
- Network compatible
- Can be directly connected to all optical and X-ray scanners of the CombiScan+ series
- PC-based system

**Auckland**  
19 Allens Road, East Tamaki  
Auckland 2013  
Ph (09) 271 7700  
Fax (09) 271 7728

**Christchurch**  
159 Ferry Road, Waltham  
Christchurch 8011  
Ph (03) 366 2013  
Fax (03) 366 2021

**Call free: 0800 522 577**  
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