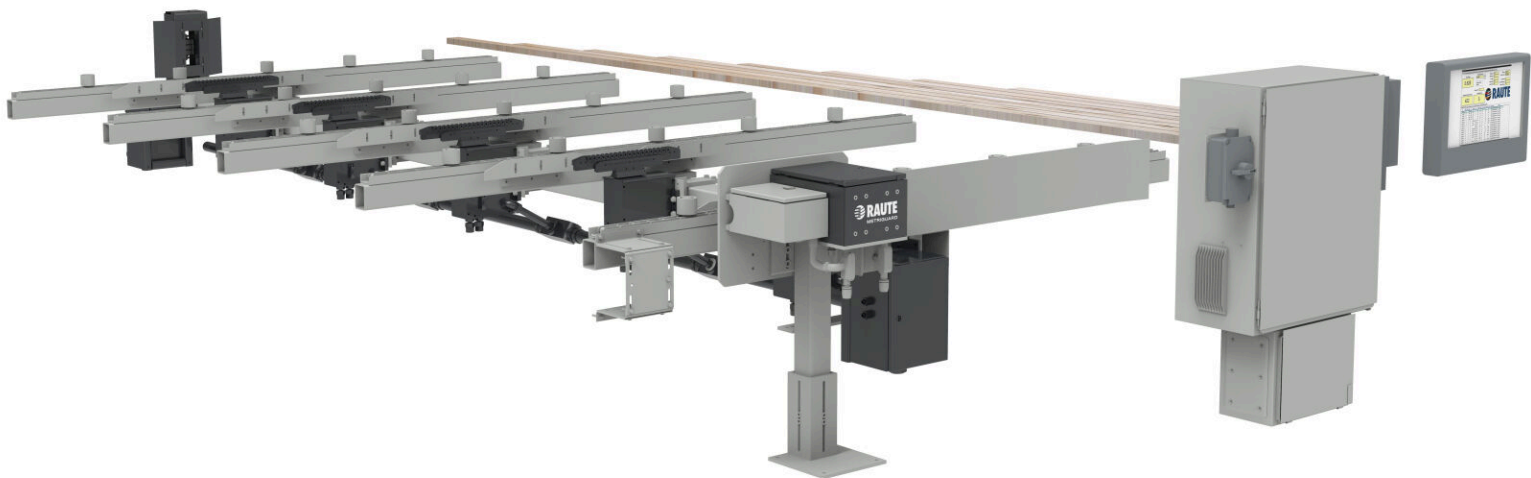# RAUTE

Lumber Strength Analyzer - Sonic

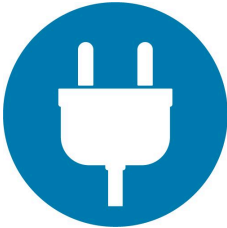# TRANSVERSE ACOUSTIC GRADING FOR MSR/MEL LUMBER PRODUCTION

Measure sonic velocity and density of dimensional lumber to accurately and reliably sort by Average E

Lumber Strength Analyzer – Sonic (formerly known as Metriguard 2350 SLG) will sort lumber for Average E using density and sonic velocity. Our innovative electromagnetic hammer system and weigh bridge scale assembly are designed for improved yield and ease of use. Each piece of lumber is measured for size and weight to compute density. Acoustic resonance is measured and combined with the density to calculate the Average E. Ink spray marking for each piece is available or data for each piece can be passed to optimizing systems.

Key benefits

EASY AND FAST INSTALLATION AND START-UP

ONLY ONE OPERATOR NEEDED

IMPROVE PRODUCTION EFFICIENCY

Technical specifications

	Lumber Strength Analyzer - Sonic
Number of arms parallel / bin	2-6
Lumber Width (in/mm)	2.5 – 11.4 / 64 – 290
Lumber Thickness (in/mm)	0.75 – 4.0 / 19 –102
Lumber Length (ft/m)	4-24 / 1,2-7,3

All data subject to change

Lumber analyzers

Profitable solutions for lumber strength grading and testing

Lumber analyzers are the perfect solution for improving your lumber material's value and quality control.

When utilizing automatic strength grading, it is also needed to monitor the performance level of the systems with offline quality control. For that purpose, we have two different lumber testers to choose from.

Automatic lumber strength analyzers are installed on the lumber grading line for grading the lumber based on their strength properties. Instead, the lumber testers are offline solutions for quality control in sawmills' quality control laboratory or third-party testing facility.

More information about the analyzers and testers is available on their product pages below.