



# Lumber Strength Analyzer - Bending

## HIGH CAPACITY LUMBER TESTER FOR MSR/MEL LUMBER PRODUCTION

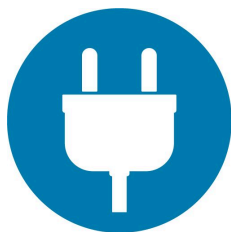


## Grades dimension lumber at extremely high speed

Lumber Strength Analyzer - Bending (formerly known as Metriguard 7200 HCLT) is a longitudinal flow production bending analyzer. It measures bending (E) by means of a rolling stiffness test in which the material is deflected downward, then upward to a prescribed defection in the dual bending sections, while the force at the center of the bending space is measured. Each piece is individually tested in the production line; its stiffness (E) value is measured, and a load is applied that is equal to the design value assigned to the MSR/MEL grade. The bending measurement of stiffness (E) responds properly to the effects of slope-of-grain, the high microfibril angle common in juvenile and compression wood, and moisture content. Local flat-wise bending measurements are recorded for Average E and Low-point E for each piece.



## Key benefits



**EASY AND FAST  
INSTALLATION AND  
START-UP**



**ONLY ONE OPERATOR  
NEEDED**



# Technical specifications

## Lumber Strength Analyzer - Bending

Length (in/mm)	188 / 4 650
Width (in/mm)	40 / 1 020
Height (in/mm)	58 / 1 520
Mass (lbs/kg)	9,000 / 4 100
Min. Clearances (in/mm)	145x97x72 / 358x146x183
Planed Lumber Sizes (in)	2x3 - 2x12
Speed (ft/min; m/min)	3,600 / 1098
Lumber Width (in/mm)	2.5 – 11.4 / 64 – 290
Lumber Thickness (in/mm)	1.2 – 1.8 / 30 – 46
Lumber Length (ft/m)	8-30 / 2,5-9



# 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.



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Making Wood Matter