



Veneer Strength Analyzer R7 - Drying

**PRODUCE STRONGER END
PRODUCTS WITH STRENGTH
ANALYSIS**



Utilize strength grading to use the raw material efficiently

Veneer Strength Analyzer R7 (formerly known as Metriguard 2865 DME) provides industry-standard strength veneer grading to produce consistent quality panels and LVL and predictable end-products. A strength analyzer allows you to sort veneer into different strength and density grades. This way the sheets can be used efficiently for correct layers to produce stronger end products.

Veneer Strength Analyzer R7 utilizes different measurement technologies for strength analysis. It measures the density, moisture, and thickness of the veneer sheets as well as sonic velocity through the veneer. Analysis based on these measurements enables the grading of veneers based on the moisture, density, ultrasonic propagation time (UPT), or Modulus of Elasticity (MoE).



Key benefits



OPTIMIZE LVL AND
PLYWOOD
STRUCTURES



PRODUCE HIGH-
QUALITY STRUCTURAL
PLYWOOD



MORE EFFICIENT USE
OF RAW MATERIAL



INCREASE PROFITS



Images and videos

VIDEO



RAUTE
METRIGUARD

ONLINE VENEER GRADING SOLUTION
STRENGTH ANALYZER R7 - DRYING



[Link to video content](#)

VIDEO



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Technical specifications

	MOE	Sonic Velocity
Veneer thickness (mm)	0.5 – 4.2	0.5 – 4.2
Available sizes (ft)	5 - 10	5 - 10
Grading accuracy	>95%	>95%
Moisture Range (mc)	1% - 30%	
Moisture Accuracy (mc)	±2.5%	
Moisture and density sensors (pcs)	6 - 10	
Thickness Accuracy (mm)	±0.5	±0.5
Density range (kg/m ³)	300-1500	
Density accuracy (kg/m ³)	±10%	
Sonic Wheels (pcs)	2-3	2-3
Sonic Accuracy (mm/s)	±3%	±3%
Modulus of Elasticity (E)	±15%	

Analyzers for Veneer Drying

Grade the sheets accurately for the following process phases

At the drying line, it is crucial to grade the sheets correctly to forward them to the next process phases. The best solution is to let intelligent analyzers do the grading for you to secure consistent and smart decisions. Analyzers also provide valuable data from the drying process. The data helps you improve production and optimize the drying result which leads to better veneer quality and higher profit.

Modern analyzers grade sheets based on visual properties, moisture content, strength, and density of the veneer. Different properties can be analyzed with individual or integrated analyzers. Our integrated analyzer solutions combine the features of two or even three analyzers into one compact system. Utilizing integrated analyzers saves floor space and money and what's most important, improves grading accuracy.



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Making Wood Matter