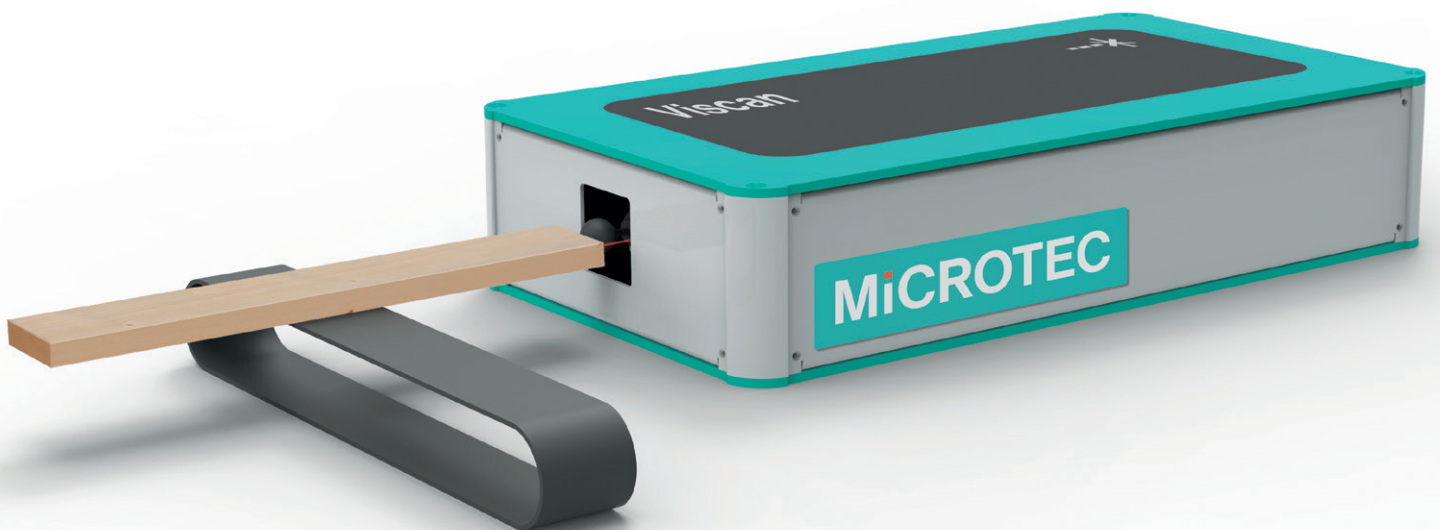


Viscan

Worldwide certified strength grading and sorting



The expert in strength grading

Viscan Strength Grader is the best in class optical laser interferometer scanner for determining the MOE of lumber. It fulfills all relevant strength grading certifications worldwide. Viscan measures the board's resonance frequency thanks to a high-performance laser vibrometer that works independently of environmental interferences such as noise. Viscan Strength Grader reaches a measurement repeatability accuracy of over 99 percent.



Laser interferometer measures resonance frequency

A hammer hits lumber passing the Viscan while the laser interferometer measures the oscillation directly on the board. Using the measured frequency and board length, Viscan calculates the dynamic modulus of elasticity (MOE). Viscan automatically sorts lumber into strength classes according to most strength grading standards worldwide.

Viscan Strength Grader features

- × Worldwide-accredited stress grading solution that is compliant to most grading standards worldwide
- × Determines MOE of lumber accurately and reliably
- × Enables automatic sorting in certified strength classes
- × Grades green or dry lumber non-destructively and independently of interfering ambient conditions
- × measurement repeatability accuracy of over 99%

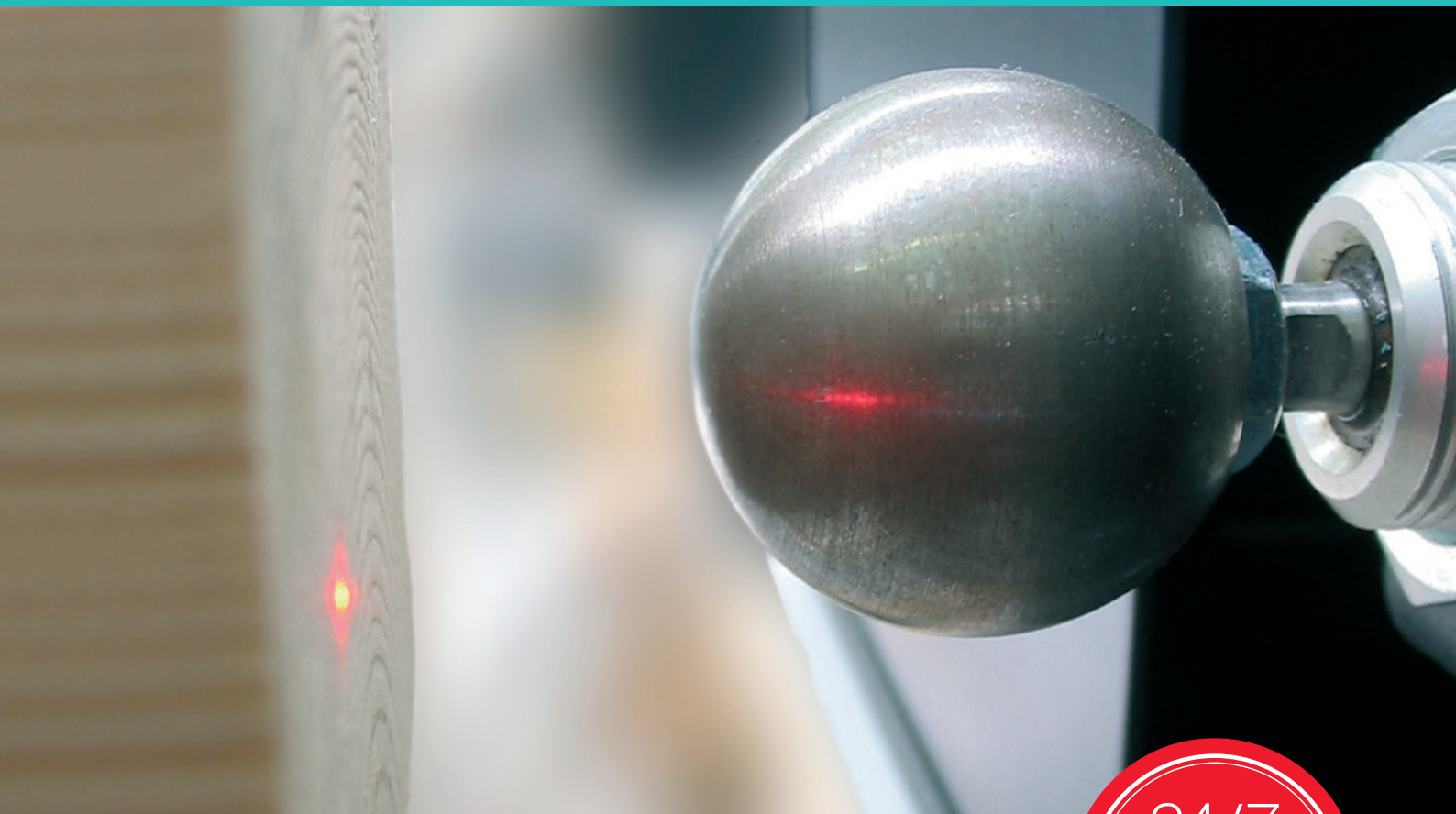
Viscan in three editions

The accuracy of Viscan can be further enhanced in combination with density. Information about a board's density further improves the predicted strength determination. Such an extension can be achieved through a mechanical scale, Viscan Compact, or combined with X-ray modules, Viscan Plus. Viscan can be further combined with the Goldeneye Multi-Sensor Quality Scanner to increase the correlation to MOR and MOE.



Viscan series	Viscan	Viscan Compact	Viscan Plus
Resonance frequency (laser interferometer)	✓	✓	✓
Weight (mechanical scale)		✓	
Density (X-ray)			✓
Conveyor speed	240 lugs/min*	up to 80 lugs/min	240 lugs/min*

* According to EN 14081 the conveyor speed is limited to 180 lugs/min



World leading wood scanning solutions



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