

Panel Bending Tester - Offline



Automated bending testing ensures accurate data

Our Panel Bending Tester - Offline (formerly known as Metriguard 830) uses the ASTM D3043 (Method C) test method to measure the stiffness (EI) and strength of structural panels accurately in both parallel and perpendicular orientations. It measures panel deflection using a digital encoder, so there is no need for micrometers or other manual measurements. The test sequence is automated, and the resulting data is recorded and stored automatically. In addition, the Panel Bending Tester includes network connectivity for easy access to test data and records. Testers also record the density of the panel and average panel thickness. It defines the ultimate load at Failure (MOR).



Key benefits



EASY AND FAST
INSTALLATION AND
START-UP



BEST QUALITY ON THE
MARKET



Technical specifications

Panel Bending Tester - Offline

Length (in/mm)	128 / 3251
Width (in/mm)	63 / 1600
Height (in/mm)	116 / 2946
Mass (lbs/kg)	2,300 / 1 045
Min. Clearances (in/mm)	145x97x72 / 3683x2464x1829
Panel size (ft)	4x4
Panel Thickness (in/mm)	[1/4 – 1 1/8] / [7-28]

Analyzers for Panel Handling

Ensure the panel quality in the final pass

Raute's technologies cover all stages of panel handling, ensuring that every panel reaches its highest possible value. Panel repairing plays a key role in achieving smooth, high-quality surfaces. Our ecological and efficient repairing solutions are designed to identify repairable defects on any plywood and optimize the entire repairing process. By repairing defects accurately, mills can maximize end-product quality and improve overall recovery.

Even a single undetected defect can cause a panel to be downgraded, potentially cutting its value by more than 50%. With improved defect-detection accuracy, only the critical defects are identified and repaired according to their actual size. This ensures precise use of repair materials, protects panel value, and realizes the full potential of the product. Recognizing the panel's value already at the repairing line enables mills to maximize profitability across the entire production flow.

To complement repairing, Raute's panel testers allow you to evaluate and improve panel quality, strength, and stiffness. Testing properties in-house ensures that every panel meets structural standards and makes it easier and faster to validate lay-up formulas and maintain the required design characteristics.

Learn how optimized panel handling and accurate defect detection safeguard panel value and elevate your product quality.



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Making Wood Matter