RAUTE

Panel Visual Analyzer R7 - Repairing

EASY TO ADJUST GRADES TO BE REPAIRED

Ultimate analyzer solution for panel repairing needs

Up to 50% repair material saving is achieved by analyzing each panel surface carefully. Our Panel Visual Analyzers R7 - Repairing (formerly known as Mecano VDA Panel Repairing) uses 3D scanners and high-resolution color cameras for achieving the most accurate defect detection. With highly accurate defect detection and defect size measurement, it can minimize the repairing and consumption of the repairing material.

Together with the defect analysis, the analyzer optimizes the repairing routes. These mean saved repair material and maximized capacity and the highest possible end-product quality. Our R7 analyzer is the perfect solution for the Raute´s Panel Repairing Line R7 but can also be used for panel grading purposes. Multiple recipes for different products are handled and tuned through the easy-to-use touch screen user-interface.

Key benefits

MAXIMUM PRODUCTION CAPACITY

-20%

USES 20% LESS REPAIRING MATERIALS THAN TRADITIONAL REPAIRING METHODS
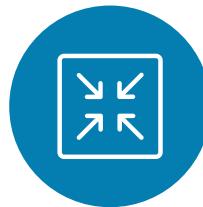
SMALL SPACE NEEDED

IMPROVE PRODUCTION EFFICIENCY
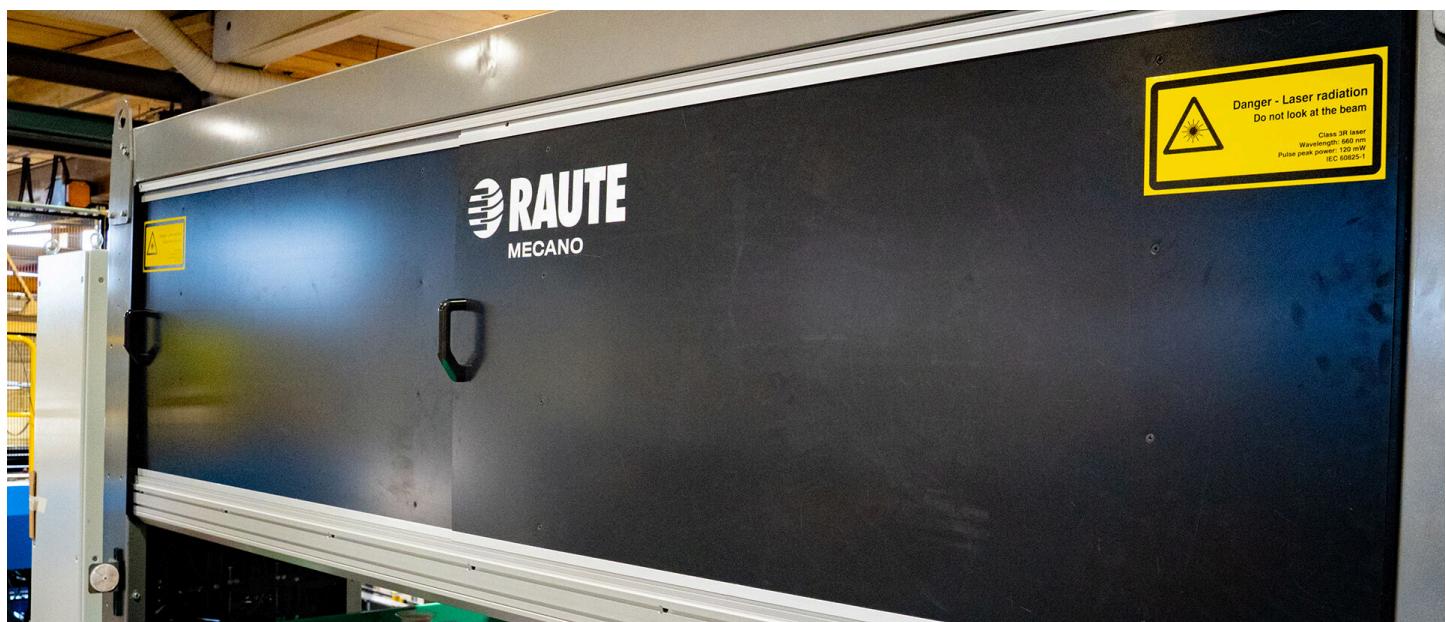
Technical specifications

	3D Surface
Available sizes (ft)	5 - 8
Grading accuracy	>95%
Color defects (e.g. Knot, wane)	●
Surface defects (e.g. Roughness, overlap)	●
Dark defects (e.g. Dark wane, Dark knot)	●
Face Veneer Thickness (mm)	1.0– 4.2
3D defects (e.g. Hole, Split)	●

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.