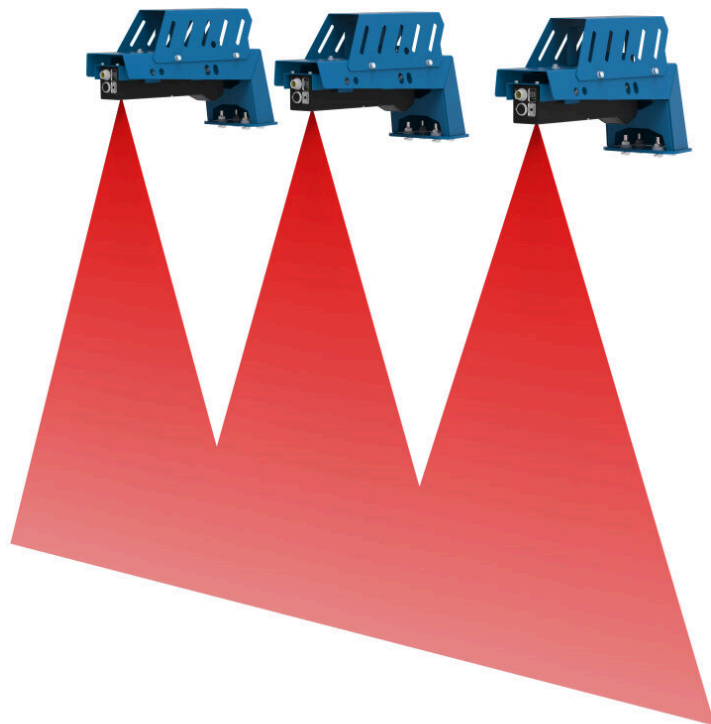# RAUTE

Panel Visual Analyzer R5 - Repairing

3D AND COLOR DEFECT DETECTION FOR PANEL REPAIRING

Compact solution for panel repairing defect detection

Panel Visual Analyzer R5 – Repairing is designed for the Raute´s R5 Panel Repairing station for analyzing the surfaces of the panels. It provides the 3D measurement for the detection of the surface contour and defects of the panel. The analyzer detects defects like dents, holes, and splits and takes into consideration their length, width, depth, volume, and number. A more advanced system is including also the color cameras for detecting color defects like resin pockets or wane. The correct solution is chosen based on customer requirements for defect detection.
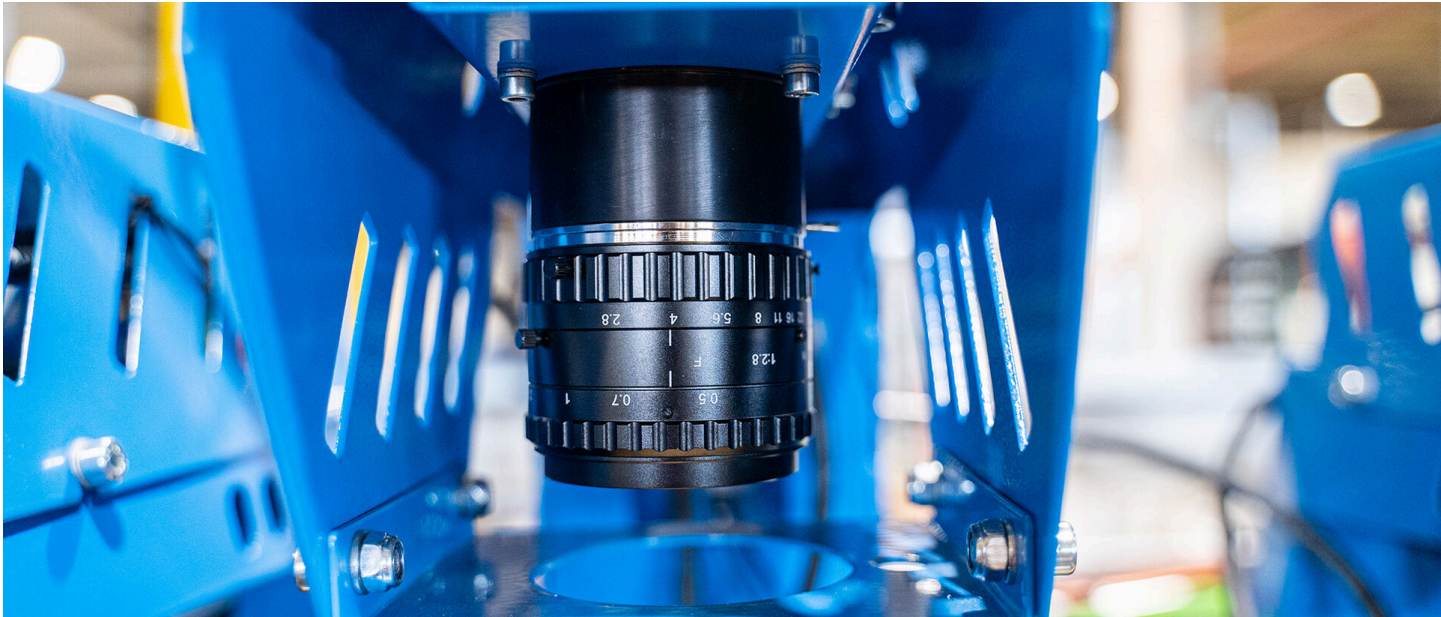
Key benefits

MAXIMUM PRODUCTION CAPACITY

-20%

USES 20% LESS REPAIRING MATERIALS THAN TRADITIONAL REPAIRING METHODS

SMALL SPACE NEEDED

All data subject to change

RAUTE

Technical specifications

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

Analyzers for Panel Handling

Ensure the panel quality in the final pass

Raute's products cover all technologies for panel handling.

Panel repairing can help you achieve the best possible smooth surface quality. Ecological and efficient panel repairing is at the heart of our development. Panel repairing visual analyzers are designed to identify repairable defects on any plywood and optimize panel repairing efficiency. Repairing the defects maximizes the panel's end quality and value, enabling better recovery for the whole mill.

Panel testers allow you to test your panels to evaluate and improve their quality, strength and stiffness. Using a panel tester ensures that your final product meets the structural standards. Testing your panel properties in-house also makes it easier and quicker to check lay-up formulas and ensure that your design properties are maintained.