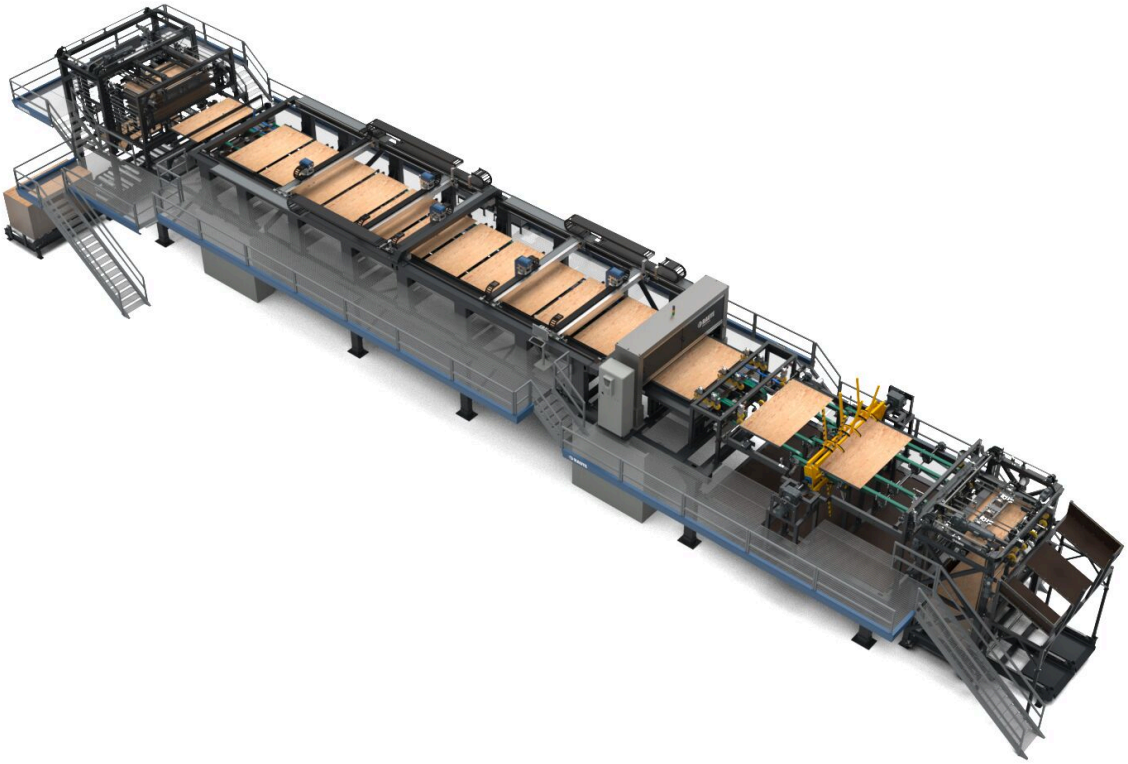
RAUTE

Panel Repairing Line R7

UNCOMPROMISED REPAIRING CAPACITY



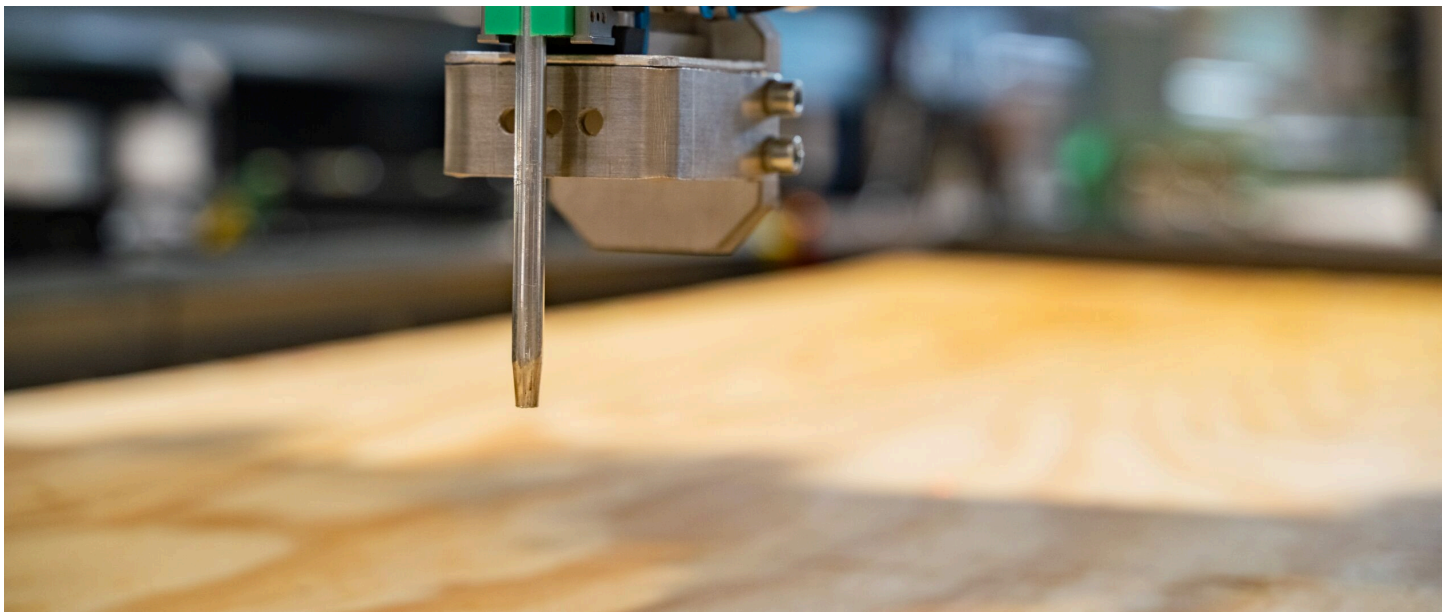
Panel Repairing Line R7 - Uncompromised repairing capacity for most demanding needs

Raute Panel Repairing Line R7 is the uncompromised panel repairing solution for the most demanding needs. This line has a superior capacity and it can handle trimmed or untrimmed panels. Capacity is achieved through the combination of technology and the most modern analyzers on the market.

Repair technology allows the panel flow to be continuous, even 24/7, and the panels are repaired on the move. Multiple repair heads enable the usage of different repair materials and repair tools even on the same panel.

65% repair material saving is achieved by analyzing each panel surface carefully. Each panel is scanned and the repair of the defects found is optimized so that no over or underfilling takes place.

Panel Repairing Line R7 is automatically controlled and monitored all the time and your production data is available in the industry's leading data capturing tool, MillSIGHTS.

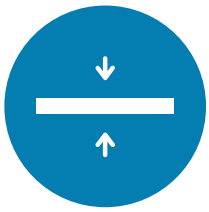


Key benefits

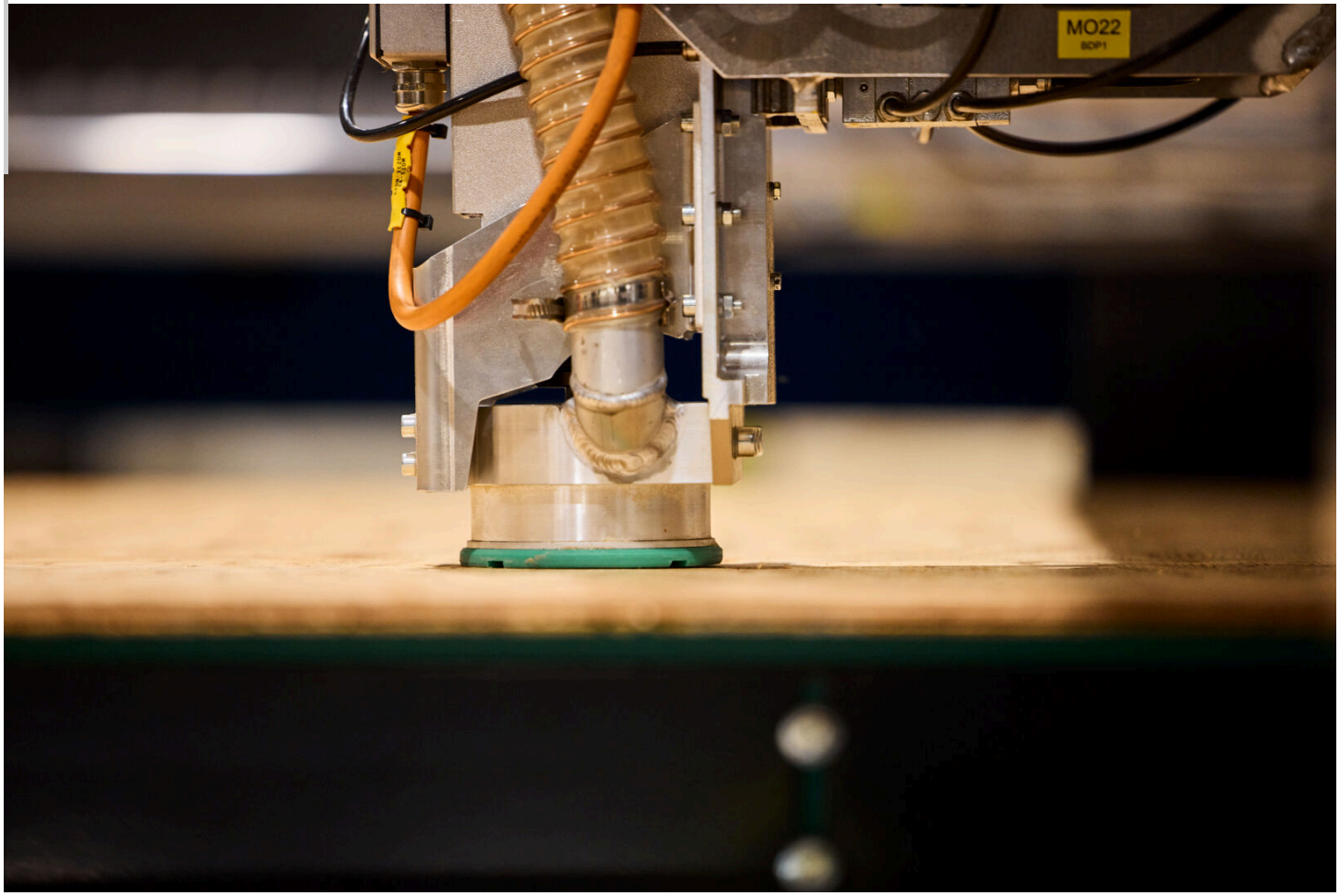
HIGH CAPACITY IS ACHIEVED BY REPAIRING THE PANELS IN THE UNIFORM REPAIRING AREA

USES 65% LESS REPAIRING MATERIALS THAN TRADITIONAL REPAIRING METHODS

ONE OPERATOR NEEDED TO CONTROL THE MACHINE WHICH SAVES TIME AND COSTS



EFFICIENCY ACHIEVED IN TURNING AROUND PANELS SO BOTH SIDES ARE FIXED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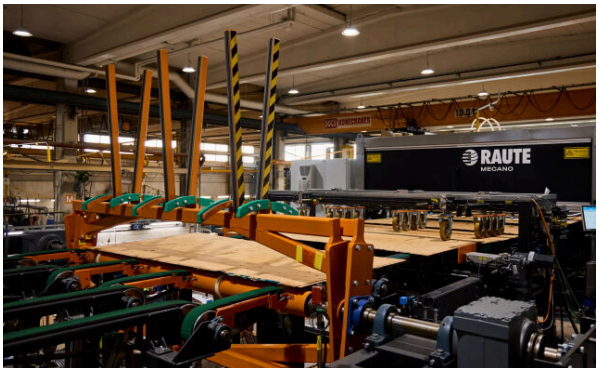
References

PotlatchDeltic

PotlatchDeltic is looking forward to achieving its business goals by adopting an automated, data-driven panel repair solution.

Read more

Images and videos



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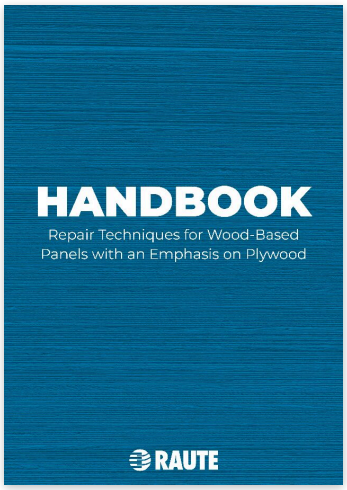

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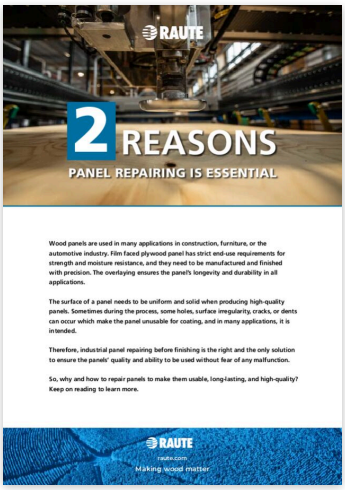

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Technical specifications

Operators on the Line	1
Minimum Floor space needed (m)	10x30
Panel Thicknesses (mm)	5–40
Panel Sizes Variation (ft)	4x4, 4x8, 8x13
Repairing Methods	Router, Polyurethane, Putty
Capacity up to (panels/min)	16

Panel repairing

Save time and material with panel repairing

Panel repairing means fixing defects after the panel has been made. Repairing the panel is done because some defects cannot be repaired before the panel is formed. By repairing these defects, the end quality of the panel is higher meaning better recovery with more valuable production for the whole mill.

Repairing is the last manual heavy process in plywood production. It is hard to get people to do manual repairing as it is very unergonomic and difficult to make consistently according to the quality rules. By automating the repair process, it is possible to reduce work-related injuries and sick leaves.

Putty and synthetic repair chemicals have taken major development steps recently as repair materials. Chemical, visual, and mechanical properties suit better for repairing with or without overlaying.

In many applications, one-component putty replaces two-component materials. This means ease of use and material savings in production.

Raute has developed three new solutions for panel repairing which are based on the recent improvements in machine vision analyzing capabilities and high-speed motion control. These improvements result in breakthroughs in capacity, and quality and reduce the usage of repairing material. The solutions make uniform quality on a 24/7 basis. Raute's panel repairing solutions are for any type of wood panels – from plywood to solid wood panels.