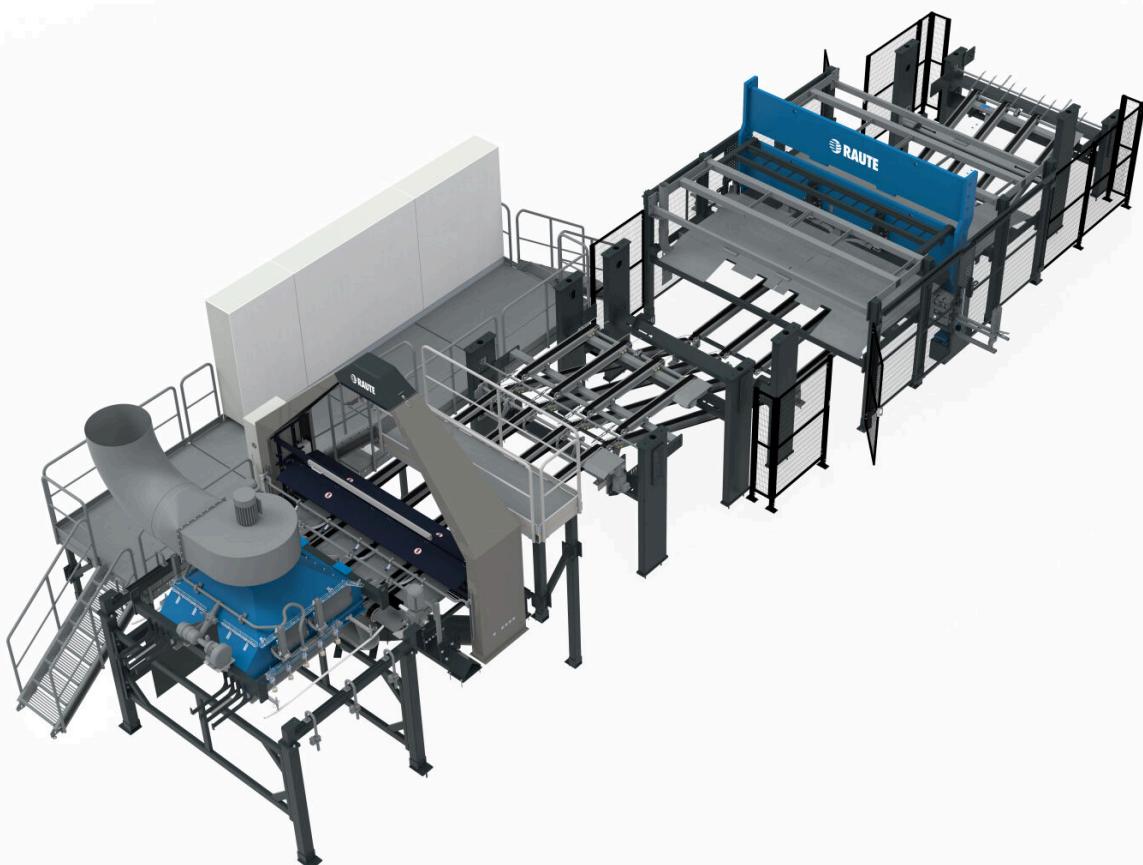


Veneer Patching Line R5

**IMPROVED FACE VENEER
RECOVERY AND QUALITY**



Veneer Patching Line R5

Master your productivity with automation and machine vision - produce highest grade veneer with ease out of any wood species with Raute Veneer Patching Line R5.

Raute's Veneer Patching Line R5, a patented concept, is an automated patching line with manual stacking. It utilizes the most advanced technology on the market. It helps you maximize face veneer recovery and get consistent, high quality panels over eight times faster than repairing manually. And only one operator is needed! He takes care of manual stacking at the end of the line. R5 Series is of same patching technology as the fully automated R7 Series, but without automatic veneer stacking. With Veneer Patching Line R5 capacity up to 6400 patches/hour is reached.

Raute's Veneer Patching Line R5 has unique integrated analyzer for defect analysis and grading. This leading technology is well-proven delivering the highest possible patched veneer quality. With MillSIGHTS data capturing and reporting system you get deep insight into patching performance and line availability.

And, it comes with our suggestion: durable butterfly type patching head and multiple die sizes optimized for each wood species.

Veneer Patching Line R5 is your choice when you require the best consistent veneer quality and capacity with affordable investment costs. With its two patching levels you achieve speed of 6400 patches/h. Over four million patches are made daily by R5 and R7-series patching lines globally.

Key benefits

4M

-10%

OVER 4 MILLION
PATCHES ARE MADE
DAILY WITH RAUTE
PATCHING
TECHNOLOGY

NO OVER PATCHING
SAVES UP TO 10% IN
NUMBER OF PATCHES
NEEDED

50/min



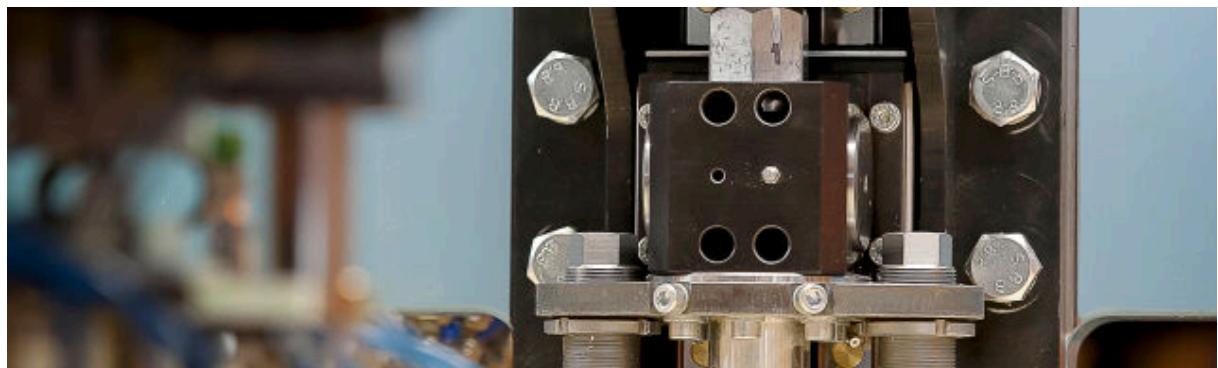
SPEED 50 PATCHES/
MIN

HIGHEST RETENTION
WITH SOLID WOOD
BUTTERFLY PATCHES

ONLY ONE OPERATOR



Images and videos



Technical specifications

Veneer thickness (mm)	1.1 – 5
Operators on the Line	1
Manual stacking	●
Installed power (kW)	125
Veneer size variation (ft)	4x4 – 8x8 – 8x13
Defect detection camera	XX
Capacity up to (veneers/h with avg. 10patch/sheet)	600
Minimum Floor space needed (m)	6x30

Veneer patching

Maximize face veneer recovery by patching with solid wood

Repairing veneer by patching holes and knots is one of the most cost effective ways to improve value of end product in terms of more valuable plywood grades.

There is an increasing demand for face veneer in the production of thinner panels and a decreasing amount of large-diameter logs available. Patching is regarded as a practical solution to quickly increase the amount of face veneer from smaller-diameter logs for the correct raw material balance in the plywood structure.

Patches come in various forms: butterfly, oval, and boat being the most common ones. Out of these the butterfly patch that comes in many sizes, is the most efficient one. It does not pop up and bears double the load compared to the other types, and saves up to 25% in patching material. It is the easiest way to eliminate broken veneers.

The patching technology includes at least one patching level with one or two patching heads, depending on the veneer sizes. The patching heads are permanently installed in fixed positions on the patching frame whereas the veneers are moved and positioned under the heads.

A line may comprise 1- 4 patching levels and a by-pass conveyor which gives an additional grading feature with uniform patching rules from the line camera recipe. With the latest intelligent camera technology the patching decisions and grading rules can easily be controlled in accordance with the most common grading standards. And you never over patch, nor under patch!

Start your production or add capacity easily with our R3-Series. When you want a proven, widely-known workhorse of the industry, the R5-Series is your solution. Put automation and machine vision in full use with our flexible R7-Series and master your productivity with high speed and maximum capacity.



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Making Wood Matter