RAUTE

Veneer Patcher R3

EASIEST WAY TO PATCH AND MAXIMIZE VENEER QUALITY

Veneer Patcher R3 small in size, big in capacity and quality

Raute Veneer Patcher R3 has the most advanced technology on the market for patching knots and holes in veneer. Patching veneer with this patcher is significantly faster, more efficient, and safer than patching manually.

Using butterfly-type patches extremely high patch retention is achieved, without the need for manual repairing or gluing. With the integrated thermo-bond taping loose composed joints and veneer edge splits can easily be fixed adding more recovery.

The ease of use of the Veneer Patcher R3 extends to the whole life-cycle of the machine. It is compact in size needing very little floor space. Being a plug-and-play machine it is fast to install. It comes with the ability to repair even large defects. It is usable for both short and long-grain veneer. It is simple and easy to operate with just one operator. Maintenance, which is almost non-existent, is made easy due to the high-quality die that lasts up to 50 million individual patches.

This small, compact, high-class, plug and play patching machine is your optimal solution when starting industrial patching for the first time or for adding capacity to existing production.

Key benefits

-80%

STARTING INDUSTRIAL PATCHING SAVES UP TO 80% IN LABOR COST

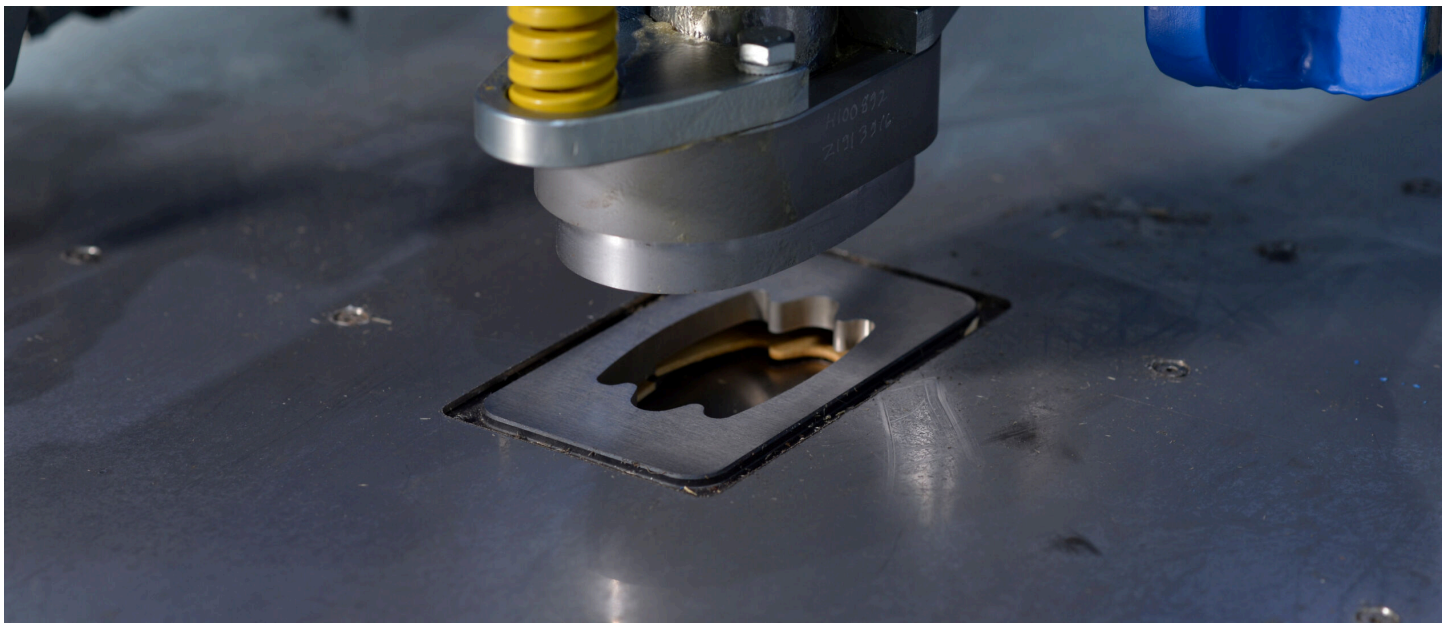
JUST PLUG AND PLAY FOR FAST START UP OF PRODUCTION

OPTIMAL SOLUTION FOR VARIATING VENEER SIZES

50M

LIFESPAN 50 MILLION PATCHES/DIE

EASY TO USE DUE TO AUTOMATIC ADJUSTMENTS

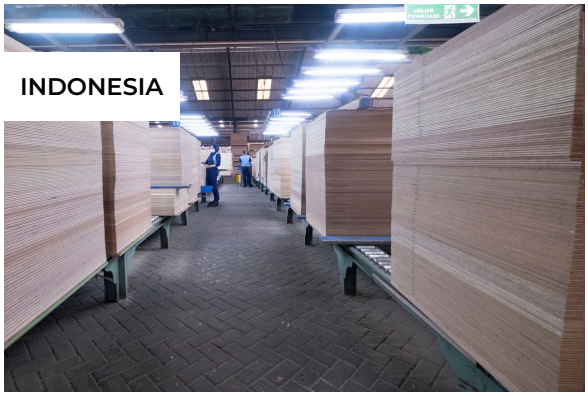


References

Guangxi Guoxu Spring Woodbased Panel Co., Ltd.

Raute has delivered modern, high technology veneer production lines with high-quality analyzers to Guoxu Spring Woodbased Panel Co., Ltd in South China.

Read more



PT Kutai Timber Indonesia

PT Kutai Timber Indonesia secures profitability by investing in industrial patching.

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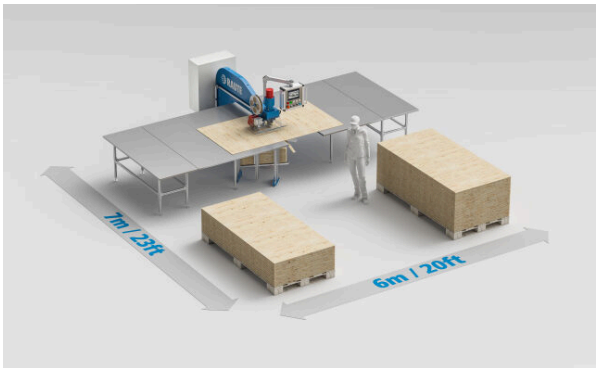
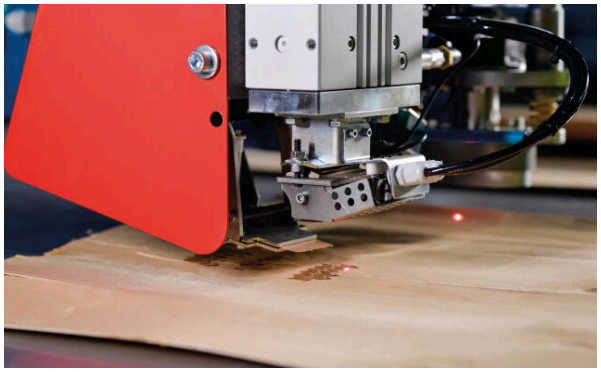
Images and videos



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SMALL IN SIZE,
BIG IN QUALITY
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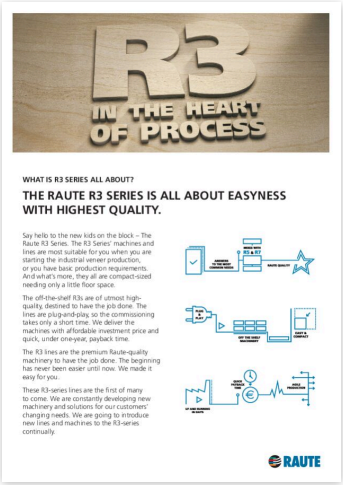

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Technical specifications

Veneer thickness (mm)	0,8 - 4
Operators on the Line	1
Manual stacking	●
Installed power (kW)	10
Capacity up to (veneers/h with avg. 10patch/sheet)	75
Minimum Floor space needed (m)	5 x 5

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 butterlfy 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.