

Panel Repairing Line R5

实木板材修补自动解决方案



板材修补线 R5 - 实现自动化以获得最高质量的实木板材

板材修补线 R5 是劳特板材修补产品系列的最新成员。这条全自动生产线取代了手动板材修补的需求，只需一名监督操作员来监督整个过程。

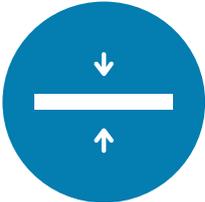
板材修补线 R5 不间断地连续工作，实现了板材修补的最大产能。其先进的外观检测仪可实现最佳的修补材料计量，将维修材料的使用减少 50%，从而最大限度地减少浪费。有了这条生产线，您可以使用任何类型的工业修补材料。

使用自动板材修补线 R5，您可以减少人力，同时提高板材修补的质量和效率。该生产线每小时可以从两面（平均 7 个缺陷）处理和修补多达 250 个板材面。

劳特板材修补线 R5 专为处理和修补实木板材而设计，但能够修补任何所需木材类型的任何木制板材。



主要优势



图像和视频



技术规格

生产线上的操作工	●
所需的最小占地空间（米）	●
板材厚度(毫米)	●
板材尺寸变化（英尺）	●
修补方法	●
最高产能（面板/分钟）	●
	●

板面修补

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

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

New Solutions for Panel repairing

Raute has developed two new solutions for panel repairing which are based on the recent improvements in machine vision analysing capabilities and high speed motion control. These improvements result in breakthrough in capacity, quality and reduces the usage of repairing material. Both of these two solutions make uniform quality on 24/7 basis.

Panel Repair Station R5 is the compact solution for starting the automated repairing or adding capacity with an easy investment. Station fits into the same space as the traditional manual repair cell would and it doesn't require special foundations.

Panel Repairing Line R7 brings uncompromised capacity for most demanding needs. Line can handle trimmed and untrimmed panels and repairs them on the move. Typically whole mill production is run through this line.

Development in repair materials

One component putty has taken major development steps recently as repair material. Chemical and mechanical properties suit better for repairing with overlaying.

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



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Making Wood Matter