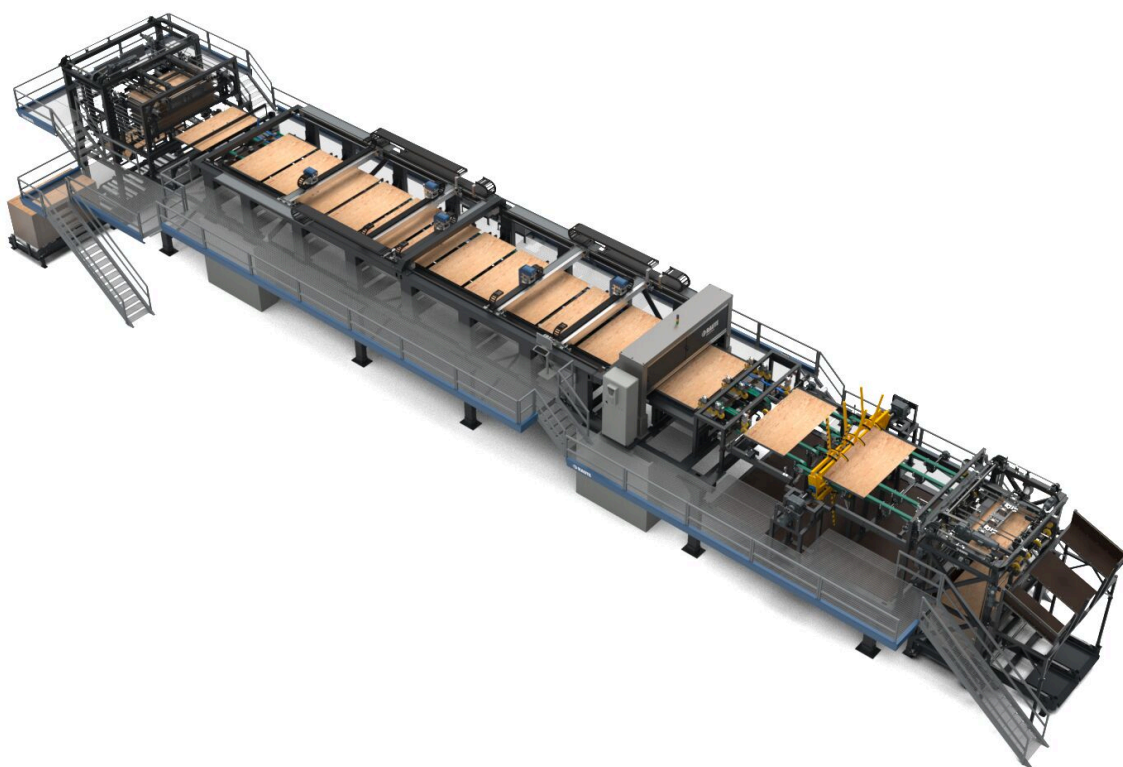


## Panel Repairing Line R7

卓越的修补产能，可满足最苛刻的需求



## 卓越的

劳特板材修补线 R7 是满足最苛刻需求的卓越板材修补解决方案。该生产线的产能很高，可以处理已裁边或未裁边的板材。通过将技术和市场上最现代化的检测仪相结合来实现产能。

修补技术可以使板材连续流动，甚至全天候流动，而且板材在移动中得到修补。由于配备多个维修头，因此可以在同一面板上使用不同的修补材料和修补工具。

通过仔细分析每块板材的表面，可以节省 65% 的修补材料。扫描每一块板材，并对发现的缺陷进行优化修补，以避免过度填充或填充不足。

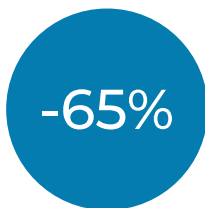
板材修补线 R7 一直都是自动控制和监测的，您的生产数据可通过行业领先的数据采集工具 MILLSIGHTS 获取。



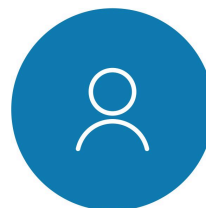
## 主要优势



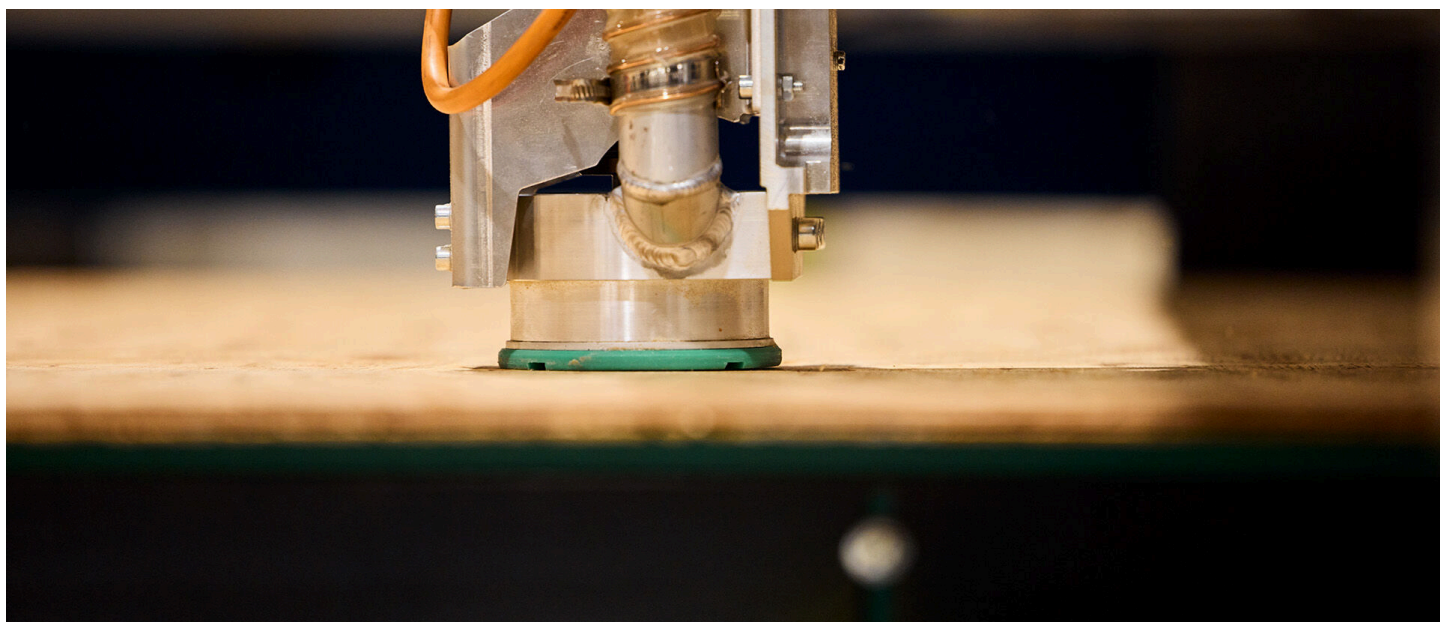
通过在板材移动时对其进行  
修补，从而实现高产能



比传统修补方法少使用  
50% 的修补材料



需要一名操作工





## 参考资料



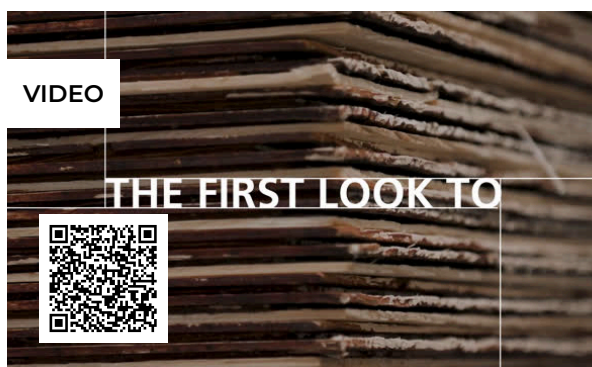
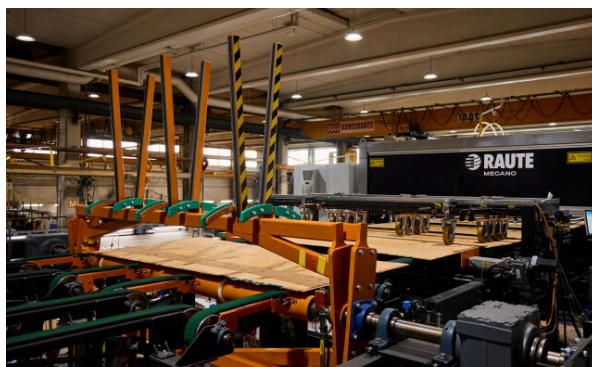
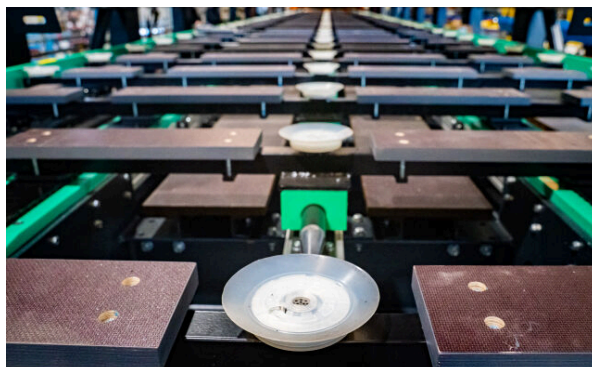
### PotlatchDeltic


PotlatchDeltic 希望通过采用自动化、数据驱动的面板维修解决方案来实现其业务目标。



[了解更多](#)

## 图像和视频




  
**板材修补必不可少的  
2个理由**

木板用于建筑、家具或汽车行业等多种应用领域。随着对板材强度和耐用性有严格的标准性能要求，需要精确地制造和完成。因此可确保板材在所有应用中的使用寿命和耐用性。

生产高质量板材时，板材的表面必须均匀且坚固。板材在加工过程中，可能会出现一些气泡、表面不平整、裂缝或凹痕，使板材无法进行涂漆。在许多应用中，这是废料之中的事。

因此，要确保板材质量和使用寿命性而不必担心出现任何问题，正确且唯一的解决方案是在板面加工之前对工业板材进行修补。

那么，为何以及如何修补板材以便其可用，耐用及保持高质量呢？请继续阅读以了解更多。

  
raute.com  
木材修补



[下载 PDF](#)

# 技术规格

生产线上的操作工	1
所需的最小占地空间（米）	10x30
板材厚度(毫米)	5 - 40
板材尺寸变化（英尺）	4x4 - 4x8 - 8x13
修补方法	槽刨机-面板-腻子
最高产能（面板/分钟）	16

## 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.



raute.com

Making Wood Matter