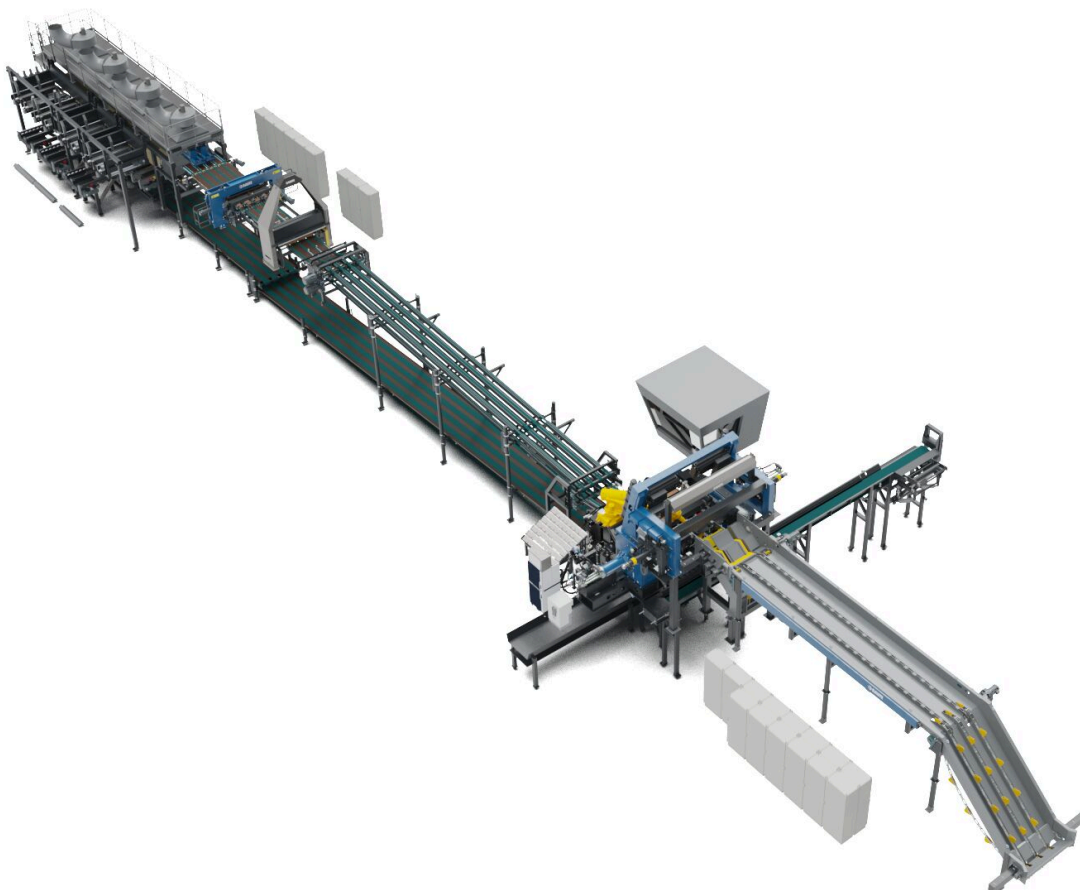




## Veneer Peeling Line R7-Hybrid

**MAXIMIZE RECOVERY FROM RAW  
MATERIAL AND REACH SMALLEST  
CORE**



## Veneer Peeling Line R7-Hybrid - best yield from raw material

Enjoy the benefits of hybrid peeling - produce high quality veneer from hardwood and softwood with Raute Veneer Peeling Line R7-Hybrid. Its hybrid lathe peels with and without spindles allowing you to maximize face veneer and full sheet recovery from surface to the smallest possible core.

The line's modern electrical and hydraulic solutions can decrease the need for energy up to 30% compared to conventional peeling technology.

Block Centering Analyzer R7 defines the optimal peeling position and minimizes round-up losses with all block shapes improving full sheet recovery up to 15%.

The lathe's optimal peeling geometry (OPG) ensures accurate veneer thickness from surface to core with and without spindles. Automated knife change eases operation, maintains quality and makes working safer.

Accurate visual and moisture analyzers maximize face veneer recovery and optimize drying capacity and quality. The moisture analyzer grades sheets by moisture for optimized drying, resulting in a capacity increase of up to 20%.

The integrated MillsIGHTS data capturing and reporting system provides comprehensive insight into elements affecting your production and helps you analyze them.

# Key benefits



**-30% ENERGY CONSUMPTION COMPARED TO CONVENTIONAL PEELING TECHNOLOGY**



**8% BETTER RAW MATERIAL UTILIZATION THAN CONVENTIONAL SOLUTIONS**



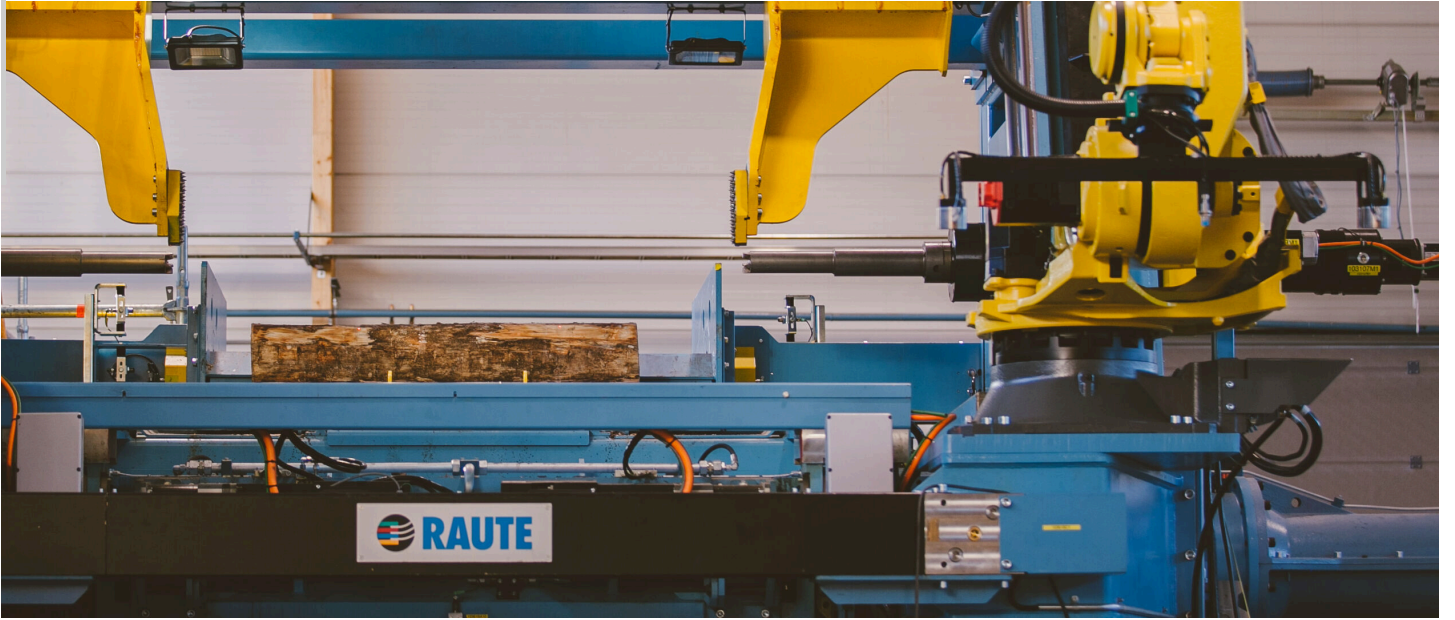
**25 MM MINIMUM CORE DIAMETER**



**AUTOMATED KNIFE CHANGE EASES MAINTENANCE AND MAKES WORK SAFER**



**ONLY ONE OPERATOR NEEDED**



## Images and videos

**RAUTE**  
VIDEO  
**BEST YIELD FROM RAW MATERIAL**



[Link to video content](#)

VE L

This video thumbnail features a blue background with a white diagonal stripe. The RAUTE logo is in the top left. The text 'VIDEO' is in a white box. The main title 'BEST YIELD FROM RAW MATERIAL' is in large white letters. A QR code is on the left, and a white box with a link is on the right. The background image shows a peeling machine with a log.

**RAUTE**  
VIDEO  
**IMPORTANCE OF PEELING TO THE SMALLEST POSSIBLE CORE**



[Raute Expert Talks: The importance of peeling to the smallest possible core](#)

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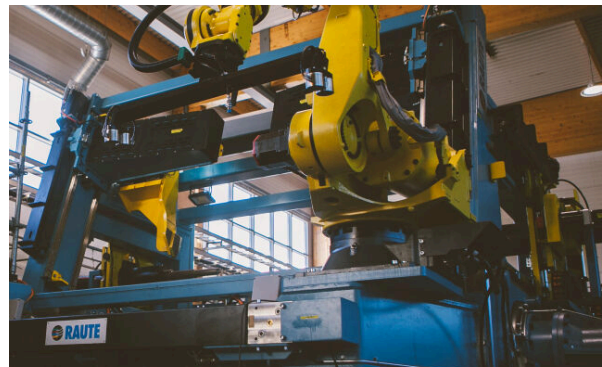
**RAUTE**  
VIDEO  
**HOW HYBRID VENEER PEELING WORKS**



[How hybrid peeling works](#)

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**RAUTE**  
VIDEO  
**MAXIMIZE FULL SHEET RECOVERY**



[Link to video content](#)

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**RAUTE**  
VIDEO  
**OPTIMAL PEELING GEOMETRY**

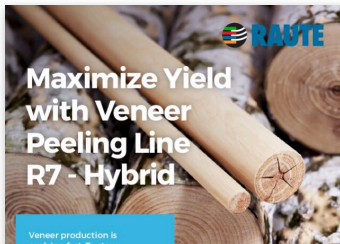


[Link to video content](#)

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# Downloadable material



## Maximize Yield with Veneer Peeling Line R7 - Hybrid

Veneer production is evolving fast. To stay competitive, mills must extract more value from every block, maximize efficiency, and operate with greater precision and safety. Raute's R7-Hybrid Peeling Line is built for this reality. It merges smart automation with proven mechanics to deliver higher yields, consistent veneer quality, and reliable performance across the entire process.


Traditional linters demand more manual operations and time-consuming centering work. Even then, they often fail to maximize surface thickness throughout the ribbon, making smaller or lower-grade ribbons profitable to process. Risk increases with cost, waste, and lost opportunity. Manual operations carry the same challenges. Random loading, manual grading, and defect detection require skilled operators to ensure quality. At the same time, physical demands with real equipment experience operate to safety risks — leading to injuries, downtime, and high maintenance expenses. For wood peeling mills, how do they improve production and maximize the yield of a veneer ribbon starting chain?

Raute's Veneer Peeling Line R7 Hybrid Series is designed for this purpose. Combining automation, data-driven control, and rapid scalability, it offers mill operators rapid returns, maximum recovery, and veneer production quality that can't be found in this article, with dozens of specific innovations introduced with this veneer peeling line and its digital-first efficiency operations via expert to reap from them.

From the center of wood matters. Not to worry mills, our defect peeling line and manual loading HSE that can be removed from each block. Because of our ribbon thickness, there's alignment, and that material already ends profitability day after day.



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## TOP TIPS TO IMPROVE VENEER PEELING

As availability of raw materials is decreasing, innovating and creating better solutions for production is essential in order to increase productivity and efficiency, while still maintaining high quality products. Whether you want to ramp up production or optimize efficiency, Raute's innovations can help you achieve your goals. Read our top tips in this document to find out how.

- 1. CHOOSE THE RIGHT PEELING LINE FOR SMALL BLOCKS**
- 2. OPTIMIZE VENEER THICKNESS**
- 3. MAXIMIZE YOUR FACE VENEER RECOVERY**
- 4. COLLECT DATA TO IMPROVE EFFICIENCY**

RAUTE  
Making wood matter



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## Technical specifications

	R7-Hybrid-5ft	R7-Hybrid-8ft
Veneer thickness (mm)	1,0 – 4,2	1,0 – 4,2
Block Diameter (mm)	130 - 600	130 - 600
Minimum Core Diameter (mm)	25	25
Peeling Speed Up to (m/min)	300	300
Block Centering	Block Centering Analyzer R7	Block Centering Analyzer R7
Peeling Method	Hybrid	Hybrid
Knife Change	Robot	Robot
Operators on the Line	1	1
Capacity up to (m <sup>3</sup> /h)	20	30
Block Cycle time up to (pcs)	10	10
Block length nom. (ft)	3-5	6-8
Powered Roller Bar	●	●
Number of Spindles	1 - 2	1 - 2
Installed power (kW)	480	500