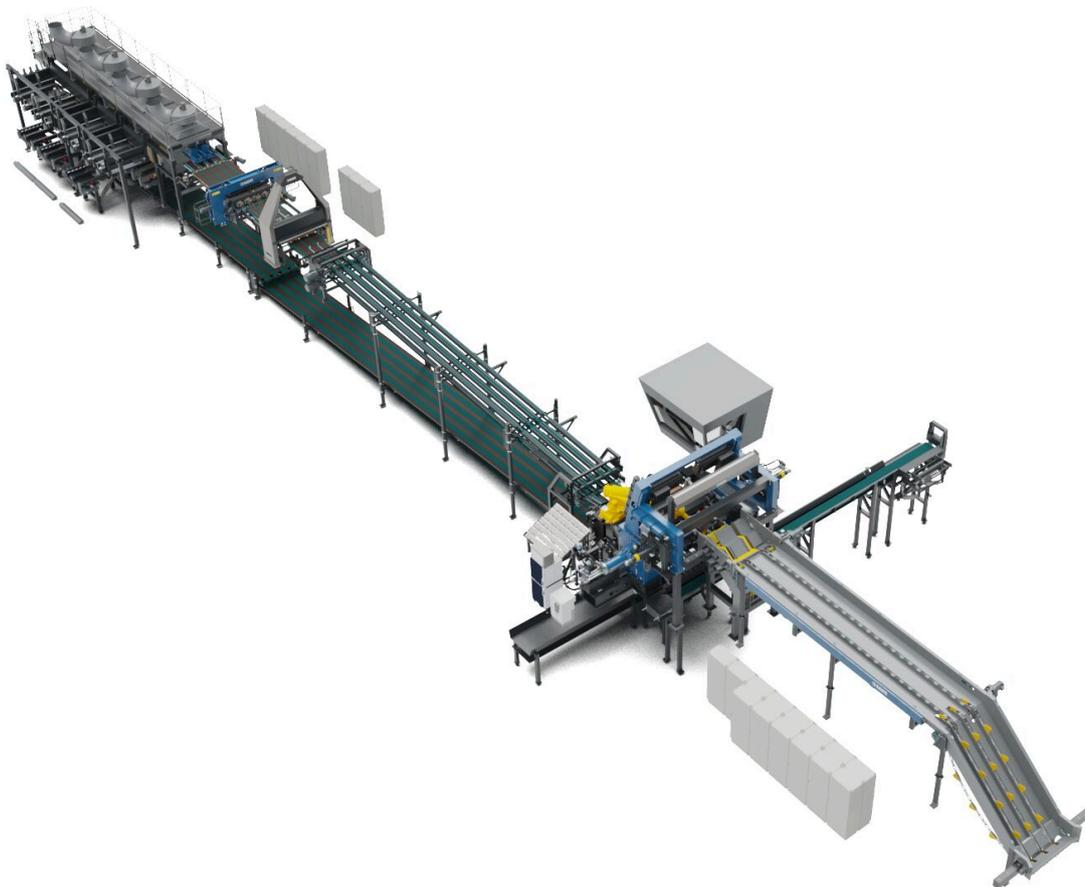




## Veneer Peeling Line R7-Hybrid

**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**



# References



## Latvijas Finieris

Innovative veneer solutions that maximize yield and sustainability—discover how Latvijas Finieris is leading the way.



[Read more](#)

## Images and videos



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

 [Link to video content](#)

**VENEER PEELING**

The banner features a blue background on the left with white text and a QR code. On the right, there is a photograph of several rolls of wood veneer, with one roll showing its natural wood grain. The text 'OPTIMAL PEELING GEOMETRY' is prominently displayed in large, bold, white letters. Below it, a white box contains a QR code and a blue link labeled 'Link to video content'. At the bottom left of the banner, the words 'VENEER PEELING' are visible in white text.

# 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-to-core throughout the ribbon, making smaller or lower-grade ribbons profitable to process. Risk increases with cost, waste, and lost opportunity. Manual operations carry only these challenges. Random loading, manual grading, and defect detection cannot adequately ensure consistent quality. At the same time, physical demands with wild equipment operation pose a safety risk.

— leading to injuries, downtime, and high maintenance expenses. For wood processing mills, this risk may be unacceptable. It is a risk that every job of a veneer manufacturer shares.

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 is not only limited by this article, but also the specific conditions introduced with this veneer peeling line and its digital-to-physical operations via expert-to-expert flow.

Have your center of wood matters. Not to worry, our defect peeling line and manual loading R7 Hybrid can be removed from each block. Because of our ribbon thickness, there are adjustments, and our material always ends profitably 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