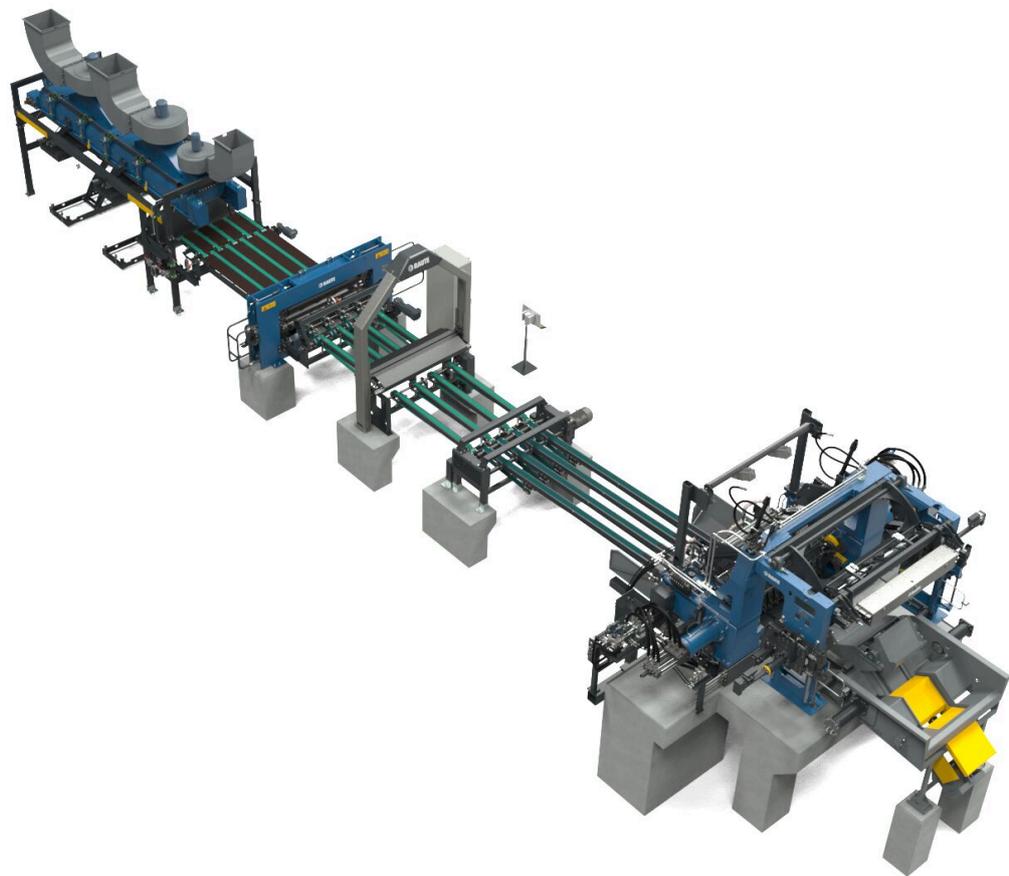


Veneer Peeling Line R5

**PROVEN PEELING TECHNOLOGY
FOR HIGH-QUALITY VENEER**



Veneer Peeling Line R5 - proven capacity with high quality

The standard Raute Veneer Peeling Line R5 is your proven workhorse of the industry with over 500 installations worldwide. It is boosted with the latest innovations in peeling and suited especially for birch and small diameter plantation species.

R5-Series benefits from the latest block charger technology that maximizes recovery. The modern features of optimal peeling geometry (OPG) maximize veneer quality.

The line's visual analyzer optimizes clipping for improved face veneer recovery up to 20%. Sorting with the help of a moisture analyzer optimizes dryer capacity and dry veneer quality. Accurate stacking minimizes veneer losses and enables automated dryer infeed and stack handling. Clipping and stacking are always configured to suit the end-products' and raw materials' needs.

As an add-on feature, upgrade your line and connect to MillSIGHTS data capturing and reporting system to get insight into elements affecting your production and analyze them.



Key benefits

500

PROVEN PEELING TECHNOLOGY WITH OVER 500 GLOBAL INSTALLATIONS

OPG

OPTIMAL PEELING GEOMETRY (OPG) ENSURES A HIGH-QUALITY PEEL



ONLY ONE OPERATOR NEEDED

+10%

10% MORE FULL SHEET RECOVERY



INDUSTRY STANDARD FOR BIRCH PEELING



Images and videos



A graphic with a blue background featuring several rolls of paper or wood products. The word "VIDEO" is written in white on a dark blue rectangular background. Below it is a QR code. To the right of the QR code is a white rectangular box containing the text "Link to video content" in blue, underlined font.

Downloadable material

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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**

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RAUTE BLOCK CENTERING ANALYZER R7 - PEELING

ACCURATE BLOCK CENTERING ENSURES MAXIMIZED FACE VENEER PRODUCTION

Accurate and optimized block centering determines the effectiveness of the entire veneer peeling process. Proper centering ensures the amount of high-quality face veneer. If you want to maximize veneer production, proper location and correct block centering. Why? Keep reading to learn why.

Proper centering plays a key role in profitable and efficient veneer and panel production.



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5 ways TO IMPROVE YIELD

Most peeling lines offer some scope for improvement. From increasing production efficiency and veneer recovery to improved quality, there are many ways to raise your profitability. There are a variety of technologies and operational enhancements that can help customers improve the productivity of their peeling lines. This article highlights some of the factors that go into improving and optimizing production efficiency, and how new Raute solutions like Block Centering Analyzer R7 - Peeling manage to deliver their significant benefits.

- 1. ACCURATE BLOCK CENTERING**

In the veneer making process, the factor that affects raw material use the most is accurate centering. Accurate centering results in the maximum number of full sheets and maximum value yield. The most sophisticated XY centering and block optimizing systems have integrated automation that takes care of continuous centering accuracy and the best possible veneer yield. In centering process, the block is rotated and measured by accurate lasers to achieve true 3D image of block shape. This measurement data is processed by advanced algorithms to define an optimal block position to peel out maximum amount of veneer.

It is possible to replace old mechanical block centering equipment with a new "stand alone" centering machine designed to be installed on the base of the existing equipment. Centering systems with previous generations of measuring equipment can also be modernized using the latest technologies.

Block charger maintenance is an important part of maintaining profitable veneer production. Regular preventive maintenance with inspections and calibrations ensure that centering accuracy will stay at a high level.



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Technical specifications

	R5-5ft
Veneer thickness (mm)	0,5 - 3,2
Block Diameter (mm)	150 - 600
Minimum Core Diameter (mm)	65
Max Block Cycle Time (pcs)	6
Peeling Speed Up to (m/min)	300
Block Centering	Block Centering Analyzer R7
Peeling Method	With Spindles, Double
Knife Change	Manual
Operators on the Line	1
Capacity up to (m ³ /h)	10
Fixed Nose Bar / Pressure Bar	<input checked="" type="checkbox"/>
Number of Spindles	2
Installed power (kW)	330

Veneer peeling

Optimal Peeling Maximizes Veneer Quality and Production Capacity

Veneer peeling consists of block centering, peeling, veneer analyzing, clipping and stacking as well as stack handling processes, all of which have an impact on your production performance.

The peeling process determines the profitability of the entire veneer manufacturing chain and the volume of face quality sheets that can be produced. With optimal peeling and clipping you maximize veneer quality for further processing and your veneer production capacity.

Raute Veneer Peeling Lines offer the perfect fit for your needs allowing you to utilize all peelable raw materials. You may produce anything from thin decorative veneer to thick softwood veneer, turning even lower-quality and small logs into profit. The lathes' optimal peeling geometry (OPG) ensures constant quality throughout each veneer ribbon. Spindleless peeling allows you to reach the smallest possible core.

The proper line assembly depends on your end-product, its technical requirements and raw material along with block measurements, as well as your capacity expectations and investment capabilities.

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.



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