



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**

1.**CHOOSE THE RIGHT PEELING LINE FOR SMALL BLOCKS**

Ensure the best possible veneer recovery from small diameter logs with a specifically designed peeling line

Maximize recovery from surface to core

Although small-diameter raw material might be cheaper, traditional lathes aren't always able to peel the blocks efficiently. With spindleless peeling you can peel down to a small core, to maximize the yield from even the core parts of the wood.

Peeling lines equipped with XY-centering combine optimal log rounding with cameras for precisely controlled peeling. This technology guarantees the maximum recovery from the most valuable parts of the wood surface.

Key benefits

- Maximum recovery, even from smaller blocks
- Peel straight and curved blocks
- Optimal block rounding
- Precise veneer peeling control

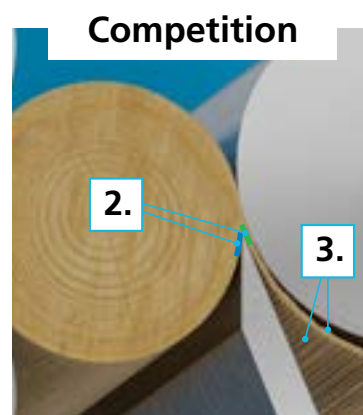
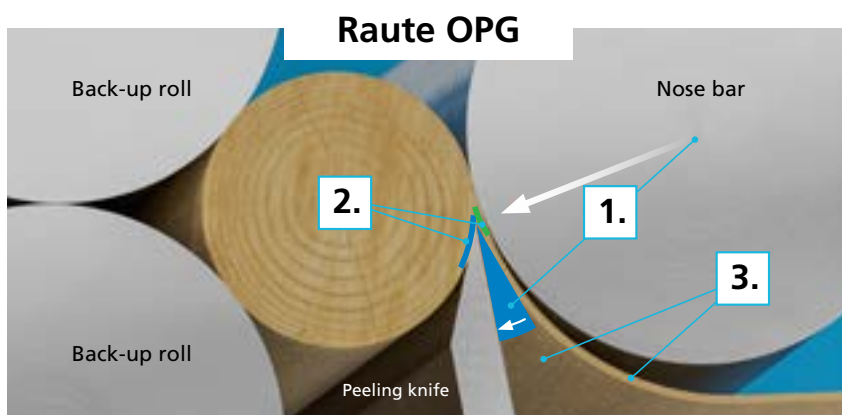
2. OPTIMIZE VENEER THICKNESS

Make sure the quality and recovery of the peeled veneer stays consistent at all times

Ensure quality from the start

The knife gap determines the quality of the veneer. Maintaining optimal compression in the knife gap and controlling the knife angle are but a few essential factors in optimal veneer flow. Raute's Optimal Peeling Geometry (OPG) technology works dynamically during the peeling process, adjusting the knife angle and the nose bar to apply the right amount of pressure as the block gets smaller.

With Raute OPG technology, achieving accurate veneer thickness and strength for the entire length of the veneer ribbon has never been easier.



1. The knife angle and the nose bar are automatically adjusted as the block gets smaller.
2. The pressure in the knife gap and against the block remains constant through the whole peeling process.
3. This prevents vibrations and cracks, giving controlled and high quality veneer from start to finish.

Key benefits

- Consistent veneer thickness and quality
- Maximum veneer recovery
- The smallest possible core

3. MAXIMIZE YOUR FACE VENEER RECOVERY

Achieve maximum recovery from peeled veneer by using camera controlled cutting and moisture sorting

Maximal amount of face quality sheets with intelligent clipping

Veneer visual analyzers enable you to start the cut at just the right place, which significantly increases the number of face quality full sheets and optimizes the utilization of sheets for composing. Moreover, this helps to minimize cutting loss.

Clipping and sorting by moisture content

To get the optimal drying results from your raw material, the significant variations in the moisture content of the wood must be taken into account. Veneer clipping width can be optimized based on the moisture content to minimize veneer losses.

Drying capacity can be increased up to 20% with optimal moisture grading. At the same time veneer quality improves exponentially because the veneer is not over dried.



Key benefits

- Improved veneer quality
- Accurate moisture sorting
- Increased drying capacity
- Less width deviation after drying
- Raw material savings

4.

CAPTURE DATA TO IMPROVE EFFICIENCY

Use intelligent data capturing to develop your production

Make the most of your data

A Data-driven approach lets you identify the optimal settings, recognize hidden production issues, solve problems, and monitor and optimize the overall efficiency of your peeling lines. Plus, the data will help you enable preventive maintenance, together with planned service visits.



Production data

- Utilization of different diameter trees on different lines
- Moisture sorting/distribution for the dryer
- Spinout tracking
- Lathe setup monitoring
- Temperature of veneer
- Peeled linear meters

Maintenance data

- Number of knife changes
- Fault monitoring / recording
- Equipment condition
- Electricity consumption

Key benefits

- Increase production
- Reduce costs
- Save energy
- Better profitability
- Measureable results