Veneer Peeling Line R7-Hybrid

ENJOY THE POWER OF TECHNOLOGY AND MAKE THE MOST OF YOUR RAW MATERIALS

MASTER YOUR PRODUCTIVITY WITH THE RAUTE VENEER PEELING LINE R7-HYBRID

Enjoy the benefits of hybrid peeling - improve your production with high quality veneer from hardwood and softwood. The hybrid lathe in the R7-Hybrid line peels with and without spindles, allowing you to maximize face veneer and full sheet recovery from the surface to the smallest possible core.

IMPROVE PRODUCTION EFFICIENCY

- Maximum face veneer and full sheet recovery
- -30% energy consumption compared to conventional peeling technology
- 8% better raw material utilization than conventional solutions
- Full sheet recovery up to 15%
- Automatic knife change

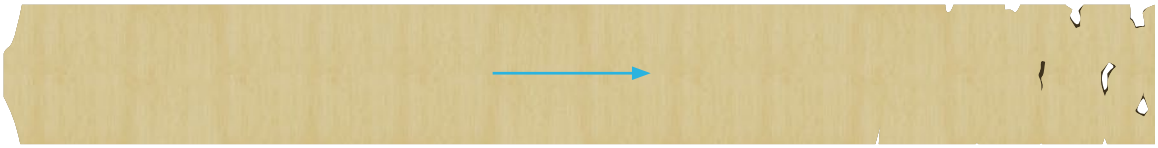
AUTOMATION AND MACHINE VISION

IMPROVE RECOVERY WITH HYBRID PEELING

Smaller Core diameter with spindleless peeling

Accurate thickness and clipping width to provide more veneer sheets

Maximum amount of full sheets with accurate block centering and autocalibration



Minimized end ribbon randoms with analyzers

Compose random pieces into full sheets with Online Green Composing

KEY BENEFITS

-30%

-30% ENERGY CONSUMPTION COMPARED TO CONVENTIONAL PEELING TECHNOLOGY

+8%

8% BETTER RAW MATERIAL UTILIZATION THAN CONVENTIONAL SOLUTIONS

25mm

25 MM MINIMUM CORE DIAMETER

AUTOMATED KNIFE CHANGE EASES MAINTENANCE AND MAKES WORK SAFER

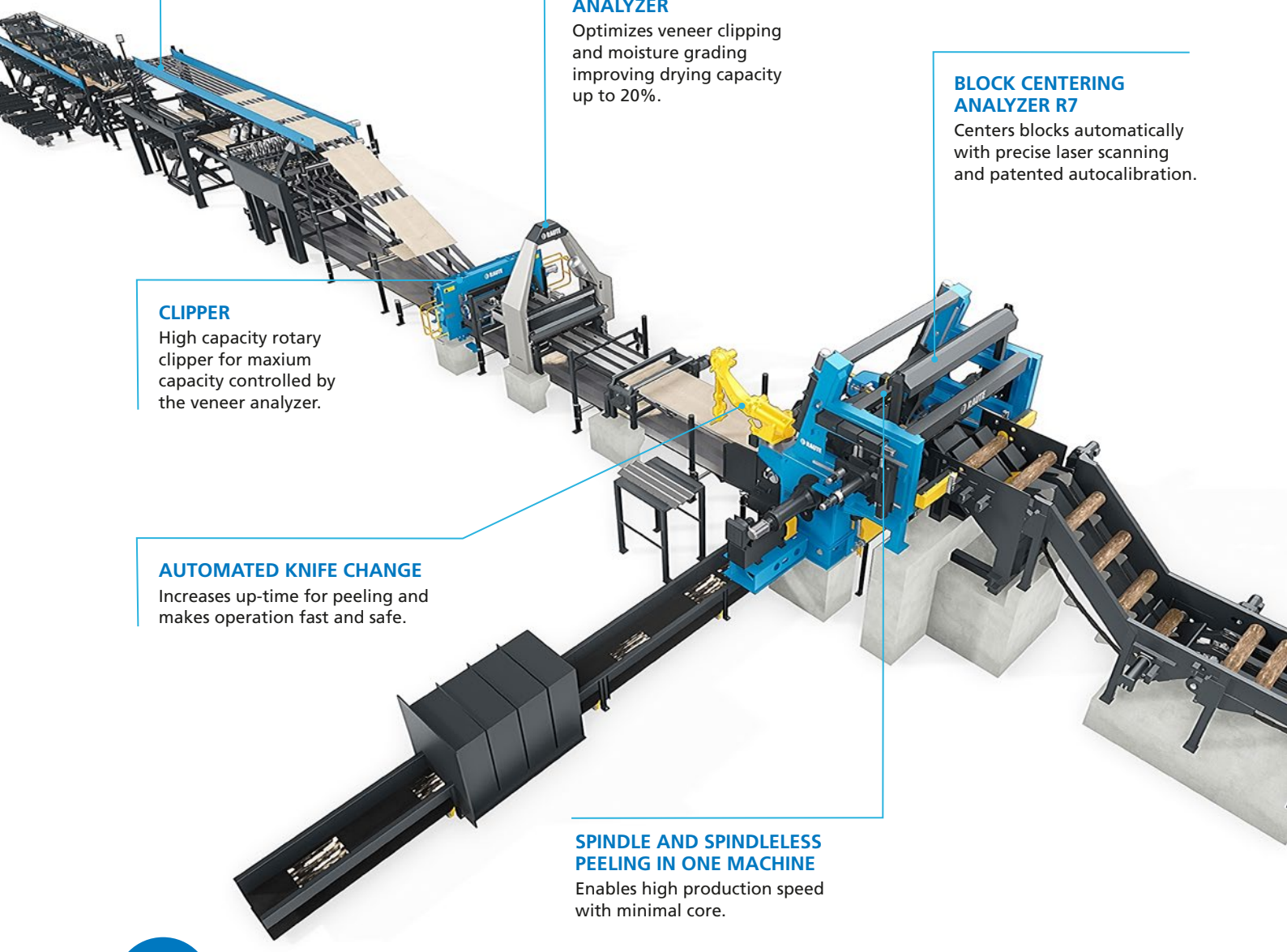
ONLY ONE OPERATOR NEEDED

AUTOMATED FEATURES FOR MAXIMUM RECOVERY

AUTOMATIC STACKING
Veneer sheets are automatically stacked according to quality grading.

INTEGRATED MOISTURE ANALYZER
Optimizes veneer clipping and moisture grading improving drying capacity up to 20%.

BLOCK CENTERING ANALYZER R7
Centers blocks automatically with precise laser scanning and patented autocalibration.



CLIPPER
High capacity rotary clipper for maxium capacity controlled by the veneer analyzer.

AUTOMATED KNIFE CHANGE
Increases up-time for peeling and makes operation fast and safe.

SPINDLE AND SPINDLELESS PEELING IN ONE MACHINE
Enables high production speed with minimal core.

UNIQUE OPG TECHNOLOGY
Optimal peeling geometry (OPG) allows you to achieve consistently accurate veneer thickness and strength for the whole veneer ribbon. Spindleless peeling lets you achieve the smallest possible core.

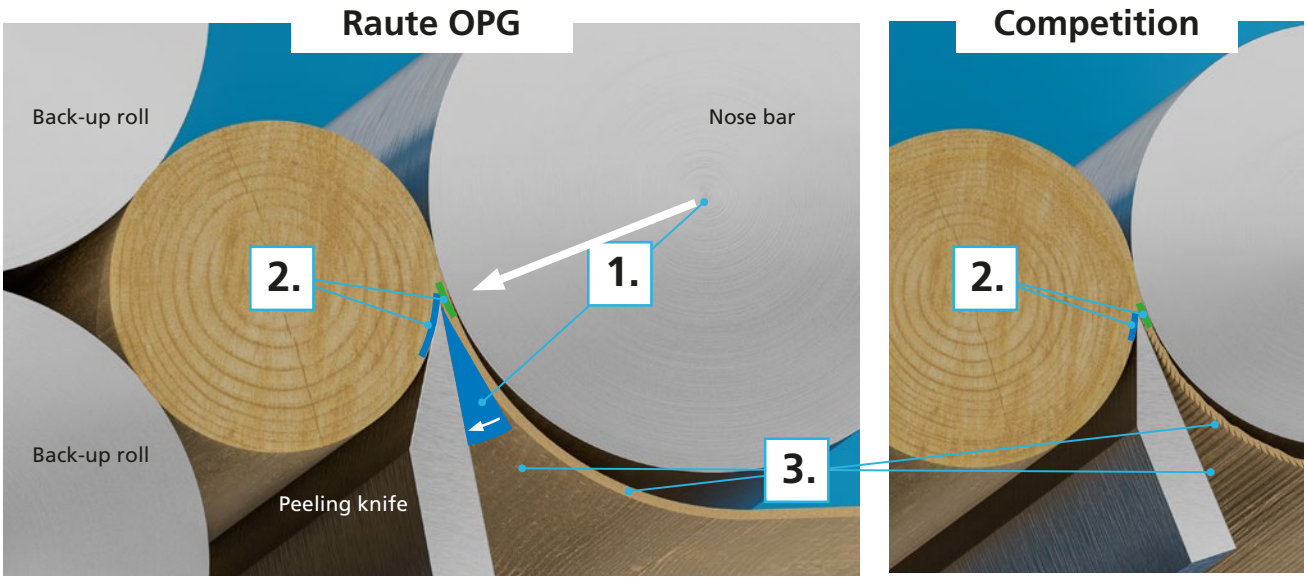
MACHINE VISION
Intelligently optimizes processes throughout the line, including block centering, veneer grading and clipping

DATA CAPTURE FOR IMPROVING PRODUCTION PERFORMANCE
Integrated MillSIGHTS data capturing and reporting systems allow comprehensive insight into your process

MODERN ELECTRICAL AND HYDRAULIC SOLUTIONS
Decreases energy need up to 30% compared to conventional peeling technology

RAUTE OPG (OPTIMAL PEELING GEOMETRY)

Optimal peeling geometry (OPG) allows you to achieve consistently accurate veneer thickness and strength for the whole veneer ribbon, and spindleless peeling lets you achieve the smallest possible core.



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.

RAUTE VENEER PEELING LINE R7-HYBRID - TECHNICAL DATA

	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 (m/min)	300	300
Block Centering	Laser Scanning	Laser Scanning
Peeling Method	Hybrid	Hybrid
Knife Change	Robot	Robot
Operators on the Line	1	1
Capacity, up to (m^3/h)	20	30
Block Cycle Time (pcs/min)	10	10
Block length nom. (ft)	3-5	6-8
Powered Roller Bar	Yes	Yes
Number of Spindles	1 - 2	1 - 2
Installed power (kW)	480	500