Block Centering Analyzer R7 - Peeling

NUMBER ONE BLOCK CENTERING SYSTEM ON THE MARKET

Ensure continuous recovery with intelligent block centering

When you want to get the most from wood at the peeling line, Block Centering Analyzer R7 (formerly known as SmartScan HD) is your number one choice. This analyzer includes the most sophisticated XY centering and block optimization to ensure the best possible veneer recovery. Lasers scan the block and advanced algorithms define optimal block position to peel out the maximum amount of veneer. When you want to maximize high-quality face veneer production, optimized block centering is a must.

Our Block Centering Analyzer R7 has patented autocalibration ensuring continuous centering accuracy and the best possible veneer recovery. Autocalibration measures the centering result of each block. This data is utilized to calculate needed corrections to maintain constant centering performance.

Key benefits

+15%

INCREASE VENEER RECOVERY UP TO 15 %

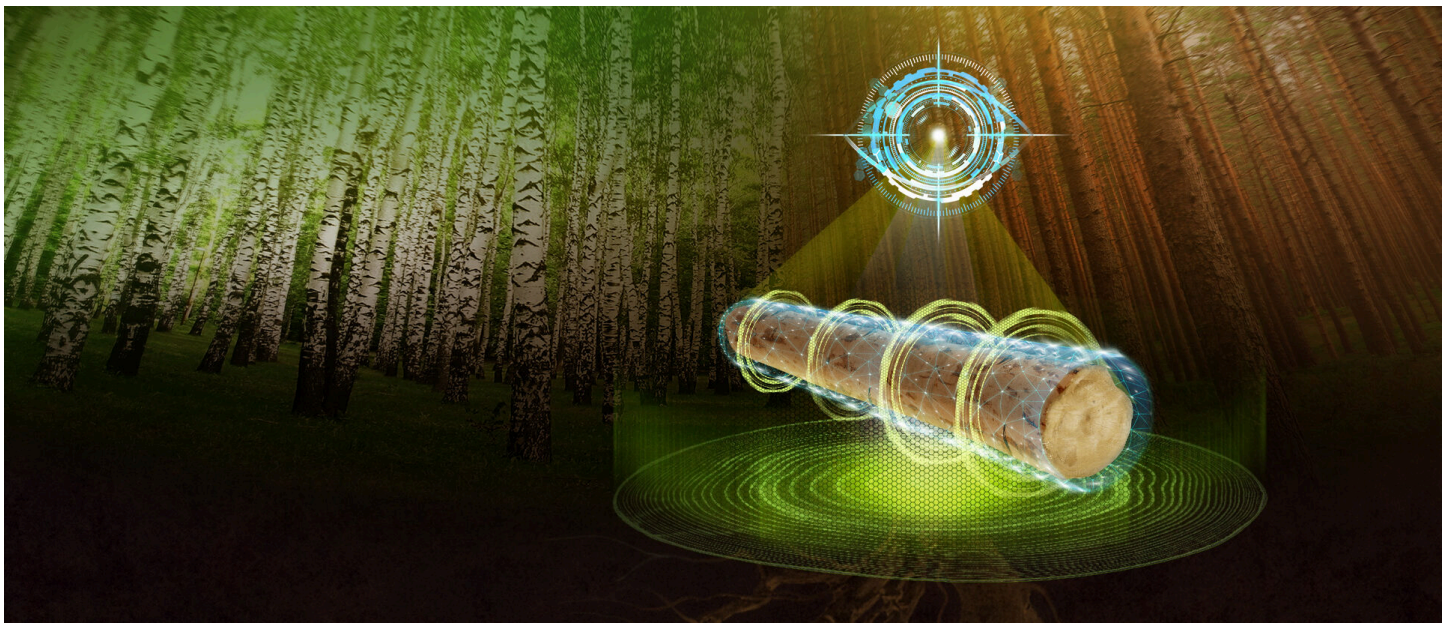
+20%

PRODUCE UP TO 20 % MORE FACE VENEER

INCREASE UPTIME WITH LONGER MAINTENANCE INTERVALS

MAXIMUM PRODUCTION CAPACITY

SHORT PAYBACK TIME



References

Garnica Group

The Garnica Group chose Raute's Block Centering Analyzer R7 to update their mill's log centering technology.

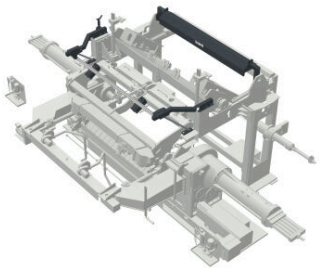
Read more

International Panel & Lumber

International Panel & Lumber met their goal to improve the charger and lathe on their peeling line using Raute products.

Read more

Images and videos



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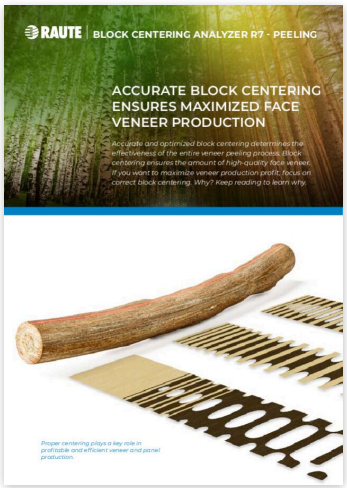

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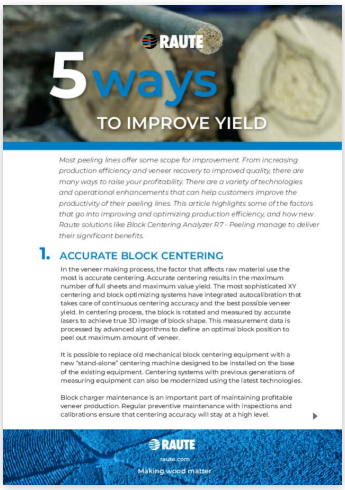

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Technical specifications

Block Diameter (mm)	140-1200
Block Length (ft)	5 - 10
Centering Accuracy	± 2mm
Block scanning up to (pcs/min)	15-20

Analyzers for Veneer Peeling

Analyzers make the most of your raw material starting at the peeling line

Veneer peeling is the first and one of the most influential phases in veneer production. The decisions made here define the efficiency, recovery, and quality of all downstream processes. That's why optimizing the peeling line begins with understanding the raw material and its features with the highest possible accuracy.

Intelligent analyzers measure multiple parameters to enhance peeling performance. Visual analyzers detect the best clipping point based on defects and veneer dimensions, moisture analyzers sort sheets into the correct moisture grades to maximize drying capacity, and centering analyzers optimize block alignment for the highest recovery. Some integrated solutions combine all these capabilities, even strength analysis, into a single compact system.

AI takes this optimization further. At the veneer peeling line, AI accurately detects challenging round-up defects such as bark, as well as defects suitable for patching. With extremely precise clipping and grading, AI helps improve raw material utilization and raise overall quality recovery before the sheets even reach the stacker. Instead of removing low-recovery veneer later at the core composer, mills can start making smarter decisions already at the first process step.

To support even more informed decisions, Raute analyzers also offer built-in patching, composing, and drying simulations. These tools let you evaluate how veneer will behave in later phases and ensure that only material suited for your production needs moves forward. For example, core composing simulations at the peeling line help you manage future recovery levels and control veneer inventory, improving mill-wide efficiency.

Take a look at our integrated analyzer solutions, which combine the features of two or even three analyzers, now including AI-enhanced defect detection and grading, into one compact system.