Veneer Moisture Analyzer R5 - Peeling

INCREASE DRYING CAPACITY AND DECREASE ENERGY CONSUMPTION

Automatic stand-alone green veneer moisture analyzer

Veneer Moisture Analyzer R5 - Peeling (formerly known as GMA) is used to separate veneer sheets according to moisture in different moisture grades. With this analyzer, hardwood veneers are typically sorted into two moisture grades and softwood veneers into three moisture grades.

Veneer Moisture Analyzer R5 - Peeling can increase drying capacity and raw material recovery and decreasing energy consumption. When drying parameters are set accurately based on the actual Initial Moisture Content of veneer sheets, less time and energy are needed. At the same time, dry veneer quality is increased and overdrying is minimized.

Depending on the line width and wanted coverage, it can be equipped with up to five pieces of moisture measuring sensors. The system comes with a control cabinet including analyzer PC and touch screen user interface for easy parameter setting. You can install the analyzer on the peeling line of any brand.

Key benefits

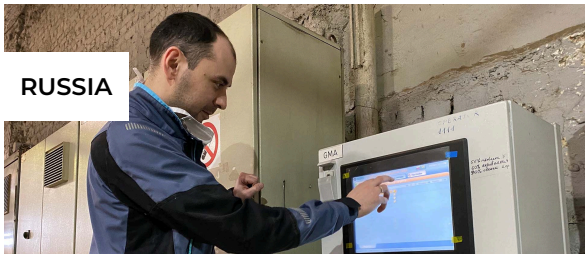
MAXIMIZE VENEER QUALITY

IMPROVE DRYING CAPACITY

MINIMIZE OVER DRYING

EASY AND FAST INSTALLATION AND START-UP

References



ZAO Murom

Green veneer moisture sorting boosts dry veneer production and quality.

Read more

Technical specifications

Veneer thickness (mm)	0.5 – 4.2
Available sizes (ft)	5 - 10
Moisture Range (mc)	50% – 150%
Sensors (pcs)	3 - 5

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.