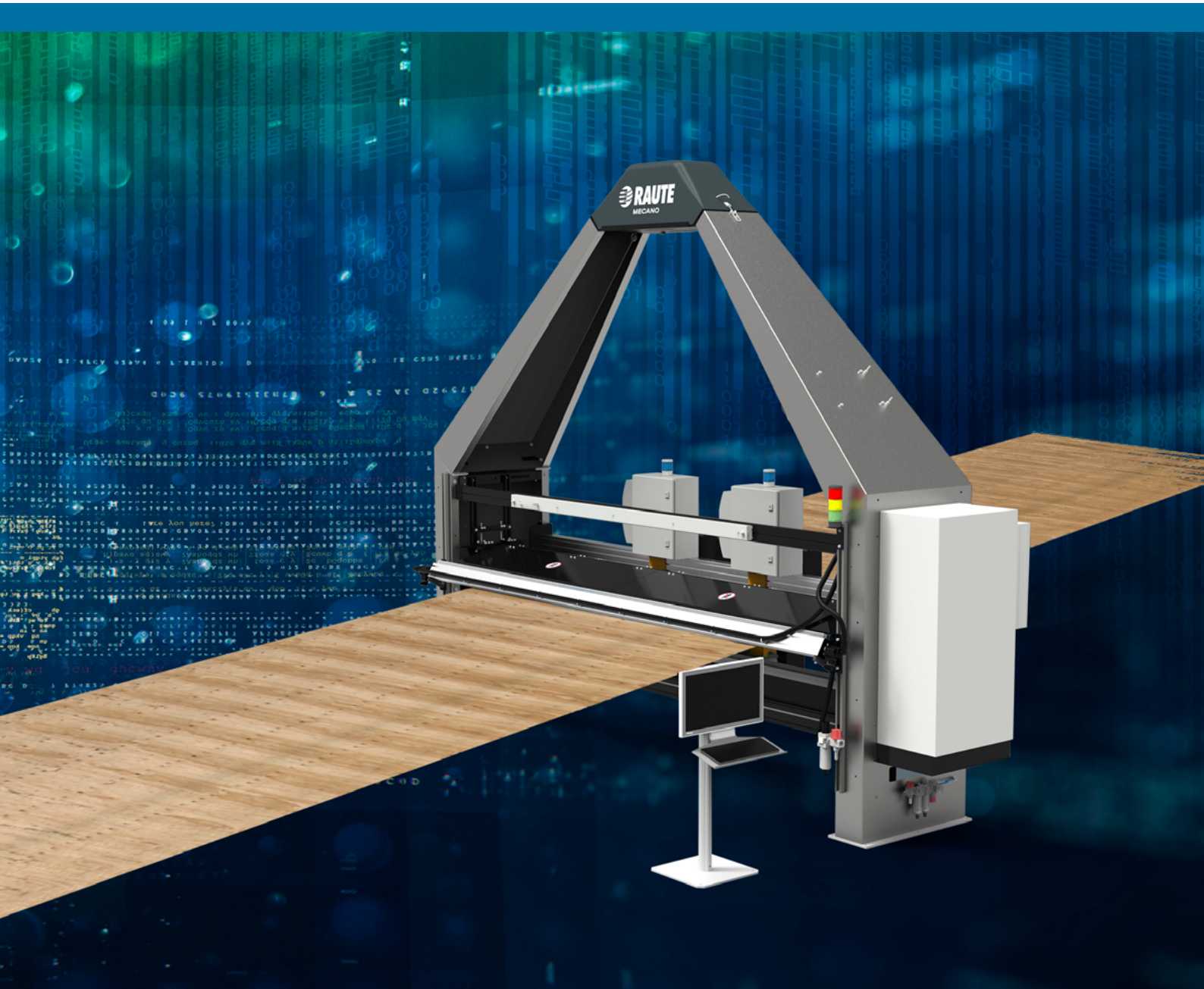
RAUTE

ENSURE PROFITS FROM THE VERY BEGINNING WITH

RAUTE'S R7 ANALYZERS FOR VENEER PEELING LINE



THE BENEFITS OF RAUTE'S R7 ANALYZERS FOR VENEER PEELING LINE

Veneer peeling is an important phase of veneer, plywood, and LVL production. To get the best results in the veneer-based product manufacturing process, it is essential to focus on the first major process phase. Data-driven knowledge-based production control is the key to success. The advanced Raute R7 analyzers for veneer peeling line improve process efficiency, veneer quality, and the raw material utilization rate remarkably. Let's walk through the key benefits of the R7 analyzers for peeling and learn how optimized and high-profit production is just around the corner!

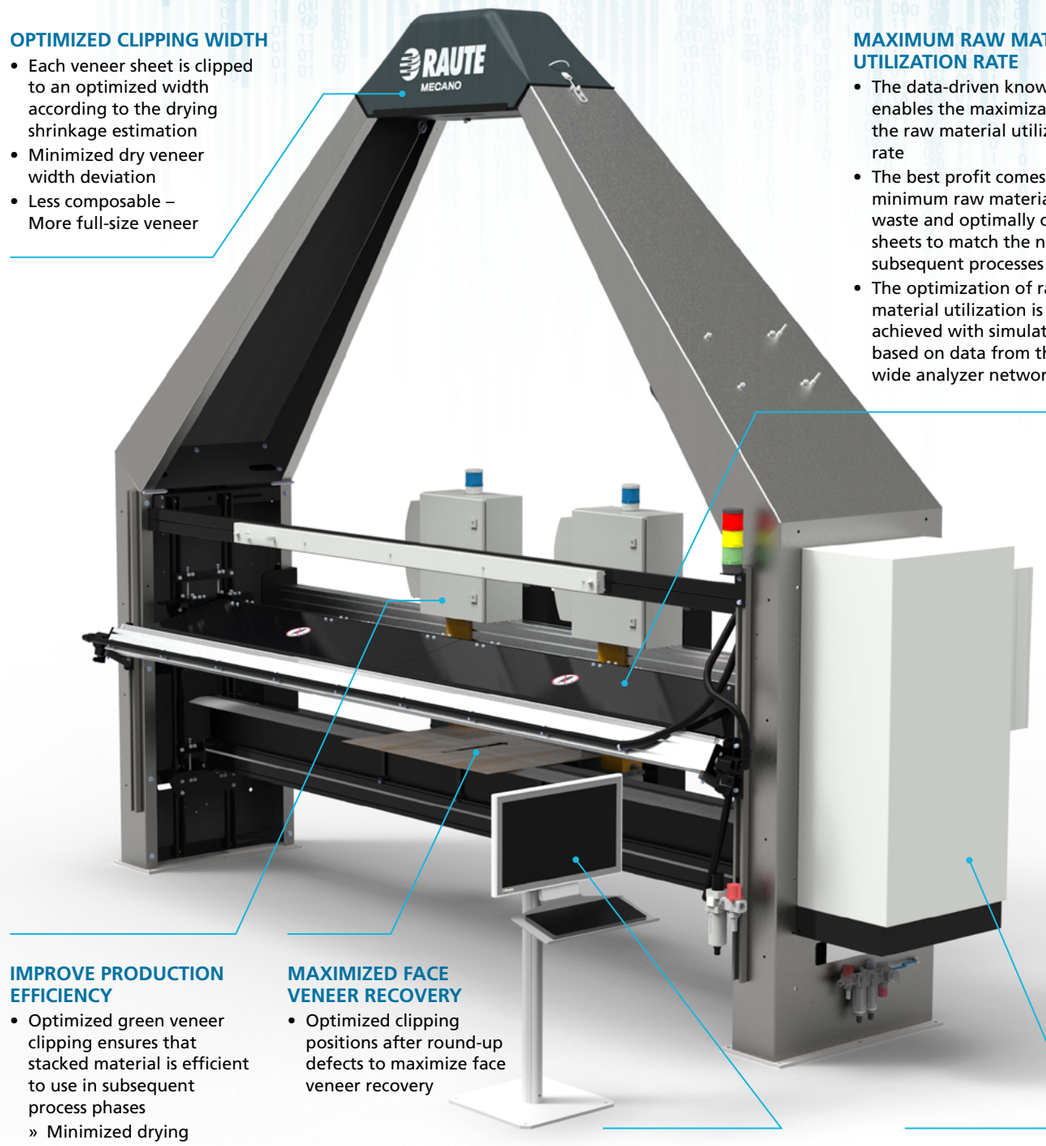
PRODUCTION EFFICIENCY

The peeling line plays an important role in the veneer, plywood, and LVL production business. This is the essential production phase where profitable savings can be achieved by utilizing accurate analyzers and the data they provide.

The analyzers for peeling are including visual, moisture and strength analyzers that are capable for making optimal clipping decisions based on the visual defect criteria as also for accurate moisture sorting. In addition, this analyzer combination is capable for accurate drying shrinkage estimation of the veneer sheets. The clipping width is adjusted for every sheet separately according to its characteristics. Dynamic clipping width results in a significantly narrower width deviation after drying, which leads to raw material savings and better efficiency in subsequent process phases.

The analyzers for drying line provide important feedback for veneer clipping dimensions and other parameters and adjustments can easily be made on the peeling line when necessary.

By analyzing the peeling line's functions and optimizing the raw material usage, you can ensure that the dryer functions flawlessly. Higher quality veneer passes more efficiently through the dryer. The veneer can be undersized if necessary, but it should not be too fragmented to prevent parts of it from causing problems in the dryer or on the conveyors.



OPTIMIZED CLIPPING WIDTH

- Each veneer sheet is clipped to an optimized width according to the drying shrinkage estimation
- Minimized dry veneer width deviation
- Less composable – More full-size veneer

MAXIMUM RAW MATERIAL UTILIZATION RATE

- The data-driven knowledge enables the maximization of the raw material utilization rate
- The best profit comes from minimum raw material waste and optimally clipped sheets to match the needs of subsequent processes
- The optimization of raw material utilization is easily achieved with simulations based on data from the mill wide analyzer network

IMPROVE PRODUCTION EFFICIENCY

- Optimized green veneer clipping ensures that stacked material is efficient to use in subsequent process phases
  - » Minimized drying of non-recoverable material
  - » Minimized rejects in subsequent process steps
  - » Maximized process efficiency through optimal raw material utilization

MAXIMIZED FACE VENEER RECOVERY

- Optimized clipping positions after round-up defects to maximize face veneer recovery

IMPROVED DRYING CAPACITY AND VENEER QUALITY

- Each veneer sheet is graded into suitable moisture grades with an industry-leading moisture analyzer, leading to increased drying capacity and improved veneer quality

OPTIMIZED RECOVERY THROUGH SIMULATIONS

- Peeling line analyzers use virtual composing features to estimate the recovery rate and trash rate at the composer
- Maximize face veneer by running virtual patching recipes at the peeling line

MORE CAPACITY, REDUCED STOPPAGES

- Analyzers ensure the sufficient quality of the veneer to endure the drying process without breaking
  - » Minimized feeding errors, stoppages, and jams in the drying process

INVESTMENT EQUALS MORE EFFICIENT PRODUCTION AND BETTER PROFITABILITY

You may be wondering what's in it for you? The answer is simple – Remarkable savings through improved value in clipped veneer and increased process efficiency.

For starters, you get an instant profit increase: the overall veneer quality improves, and the face veneer yield is maximized which means more value out of your raw material already at the peeling line. At the same time, optimized clipping positions according to the drying shrinkage estimation and minimal stacked waste all equal more value as well.

Once you can increase the face veneer yield and average face grade quality at the peeling line, you have the opportunity to produce thinner panels with more valuable face veneer. As an outcome, you further increase your profit.

This upgrade is also green thinking. Your energy consumption decreases as the sheets are clipped and sorted optimally for the dryer, reducing the amount of waste dried and passed on through the process.

Raute offers the best analyzers for the optimal clipping process to improve the level of your raw material utilization. Take the first step with us and discover the most profitable solution to match your needs!

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