Veneer Visual, Moisture and Strength Analyzer R7 - Peeling

UNIQUE THREE-IN-ONE ANALYZER FOR MAXIMIZED VENEER RECOVERY

Optimized clipping and grading with combined data

This first in industry analyzer combines visual, moisture, and strength analysis in one compact system. It improves the efficiency of the entire production process from block to plywood or LVL. Analyzer optimizes clipping decisions based on veneer dimensions and defects, moisture analysis, and drying shrinkage estimation. The combined data leads to maximized recovery and veneer quality.

Veneer Visual, Moisture and Strength Analyzer R7 (formerly known as Mecano VCO+MVA-G+XDA) offers different technologies for visual detection to match your needs. You can select the imaging method of the three available models: color, micro, or surface. Moisture analysis utilizes microwave technology which detects moisture through the veneer.

Key benefits

MAXIMIZE VENEER RECOVERY

PRODUCE MORE FULL-SIZE VENEER SHEETS

IMPROVE DRYING CAPACITY

MAXIMIZE VENEER QUALITY

MINIMIZE DRY VENEER WIDTH DEVIATION

References

Stora Enso Oyj, Varkaus Mill

Stora Enso’s LVL mill in Varkaus, Finland, needed to increase production capacity.

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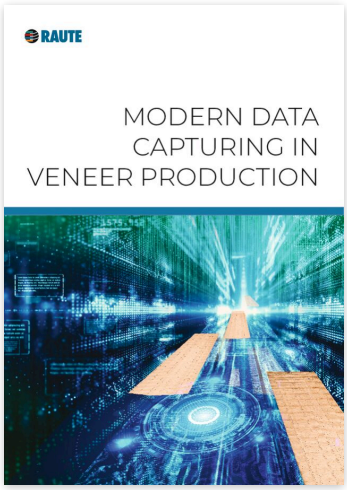

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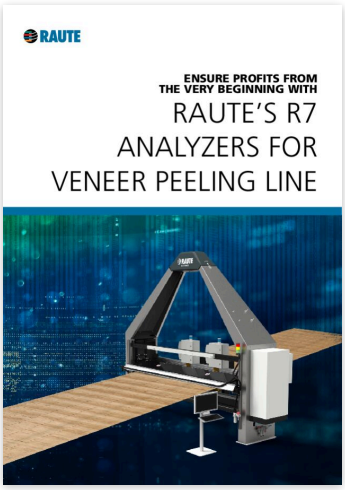

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Technical specifications

	Surface	Micro	Color
Veneer thickness (mm)	0.5 – 4.2	0.5 – 4.2	0.5 – 4.2
Available sizes (ft)	5 - 10	5 - 10	5 - 10
Grading accuracy	>95%	>95%	>95%
Color defects (e.g. Knot, wane)	●	●	●
Micro defects (e.g. Crack, pin hole)	●	●	○
Surface defects (e.g. Roughness, overlap)	●	○	○
Moisture Sensors (pcs)	6 - 10	6 - 10	6 - 10
Moisture Range (mc)	50% - 150%	50% - 150%	50% - 150%
Moisture Accuracy (mc)	±15%	±15%	±15%
Density range (kg/m³), fiber and water	300 - 2000	300 - 2000	300 - 2000
Density accuracy (kg/m³), fiber and water	±5%	±5%	±5%
Density Sensors (pcs)	2	2	2

Analyzers for Veneer Peeling

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

Peeling is the first process phase in veneer production. It is also one of the most important process phases, so it truly makes a difference in what happens at the peeling line.

Multiple things can be measured with analyzers to enhance the peeling process. Optimize block centering with intelligent analyzers to maximize veneer recovery. Visual analyzers detect the best possible point for each cut based on the visual defects and the veneer dimensions. Moisture analyzers enable sorting the veneer sheets for different moisture grades to maximize drying capacity.

Some analyzers do this all and even strength analysis at once. Take a look at our integrated analyzer solutions which combine the features of two or even three analyzers into one compact system.