Veneer Visual Analyzer R5 - Composing

INCREASE THE QUALITY AND YIELD OF END-PRODUCT

Ensure high-quality veneer composing

Veneer Visual Analyzer R5 - Composing (formerly known as VCA) is equipped with a high-accuracy camera system and industrial light system for optimized defect detection for open and dark defects. Advanced software includes multiple parameters for optimizing recovery and quality. Those can be easily adjusted through the easy to use visual interface. Visual analyzer maximizes the recovery and quality and provides high flexibility in veneer composing. Veneer Visual Analyzer R5 is best suited for core veneer composing.

Veneer Visual Analyzer R5 - Composing is fully compatible with Raute's digital tools. These tools provide comprehensive data from essential elements of your veneer production, improving your overall production and composing efficiency. Based on the data, it is also easy to adjust the clipping rules on the peeling line for optimizing the quality of the sheets that will be composed after drying.

Key benefits

INCREASE VENEER RECOVERY

INCREASE PRODUCTION EFFICIENCY

Technical specifications

	Dark	Open
Veneer thickness (mm)	0.5 – 4.2	0.5 – 4.2
Available sizes (ft)	5 - 10	5 - 10
Open defects (e.g. Hole, Fishtail)	●	●
Dark defects (e.g. Dark wane, Dark knot)	●	●

Analyzers for Veneer Composing

Analyzers for all kinds of composing needs

Composing is an effective way to improve veneer production and maximize raw material utilization. At the composing line, defective areas are cut away, and high-quality sections are combined to form full-size sheets, improving both yield and overall veneer quality. Defect clipping is driven by visual analysis, making accurate detection essential for consistent results.

Raute offers analyzer solutions for every composing application, whether you are producing face veneer, core veneer, green veneer, or any combination of them. Our analyzers enhance the composing process by ensuring that each sheet is evaluated and clipped based on reliable, data-driven criteria.

AI takes this capability further. Traditional composing lines require operators to mark defects manually with fluorescent chalk or rip corners to ensure they are noticed. This manual work is slow, imprecise, and leads to unnecessary clipping, wasting valuable raw material and limiting line capacity. Without accurate detection, mills often remove more veneer than needed.

AI analyzers eliminate this challenge by automatically recognizing low-contrast and hard-to-spot defects, without any operator marking. This leads to significantly improved yield, higher capacity, and more consistent quality across both face and core composing lines.

Explore how AI-enhanced composing improves yield, accuracy, and efficiency across your veneer production.