

Veneer Visual and Moisture Analyzer R7 - Drying

VISUAL AND MOISTURE ANALYSIS IN ONE INTELLIGENT SYSTEM



Accurate grading by visual and moisture characteristics

Veneer Visual and Moisture Analyzer R7 (formerly known as Mecano VDA+MVA) sorts veneer sheets into different grades according to their visual characteristics and moisture content. Moisture analysis is based on highly accurate microwave technology that measures moisture content through the veneer. The analyzer defines peak and average moisture and creates a moisture map for each sheet. It also allows you to define different moisture content for different areas of the sheet. Accurate moisture analysis leads to increased drying capacity and improved veneer quality.

Veneer Visual and Moisture Analyzer R7 offers different detection technologies to match your needs. You can select the imaging method of the three available models: color, micro, or surface. This analyzer is also equipped with advanced optimization possibilities to boost your production. Patching and composing optimization features analyze the most efficient way to utilize the sheets in the following process phases.



Key benefits



**REDUCE THE REJECT
RATIO IN THE
FOLLOWING PROCESS
PHASES**



**IMPROVE
PRODUCTION
EFFICIENCY**



**IMPROVE DRYING
CAPACITY**



**MINIMIZE OVER
DRYING**



**MAXIMIZE VENEER
QUALITY**



References



Enchapés Decorativos S.A., Endesa

The modernization together with the thorough training has made the Endesa factory more productive and has improved the quality of the produced plywood.

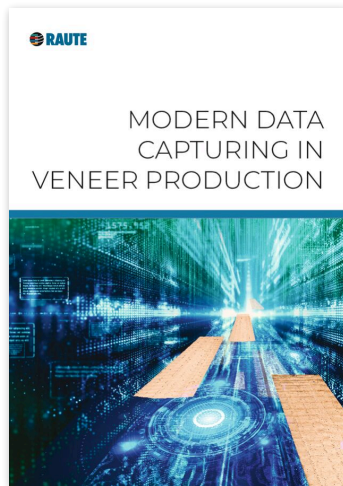


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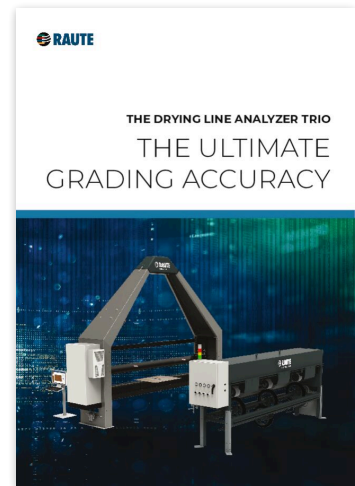
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Technical specifications

| | 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) | 16 - 24 | 16 - 24 | 16 - 24 |
| Moisture Range (mc) | 0 - 40% | 0 - 40% | 0 - 40% |
| Maximum moisture accuracy (mc) | ±0.5% | ±0.5% | ±0.5% |

Analizers for Veneer Drying

Grade the sheets accurately for the following process phases

At the drying line, it is crucial to grade the sheets correctly to forward them to the next process phases. The best solution is to let intelligent analyzers do the grading for you to secure consistent and smart decisions. Analyzers also provide valuable data from the drying process. The data helps you improve production and optimize the drying result which leads to better veneer quality and higher profit.

Modern analyzers grade sheets based on visual properties, moisture content, strength, and density of the veneer. Different properties can be analyzed with individual or integrated analyzers. Our integrated analyzer solutions combine the features of two or even three analyzers into one compact system. Utilizing integrated analyzers saves floor space and money and what's most important, improves grading accuracy.



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Making Wood Matter