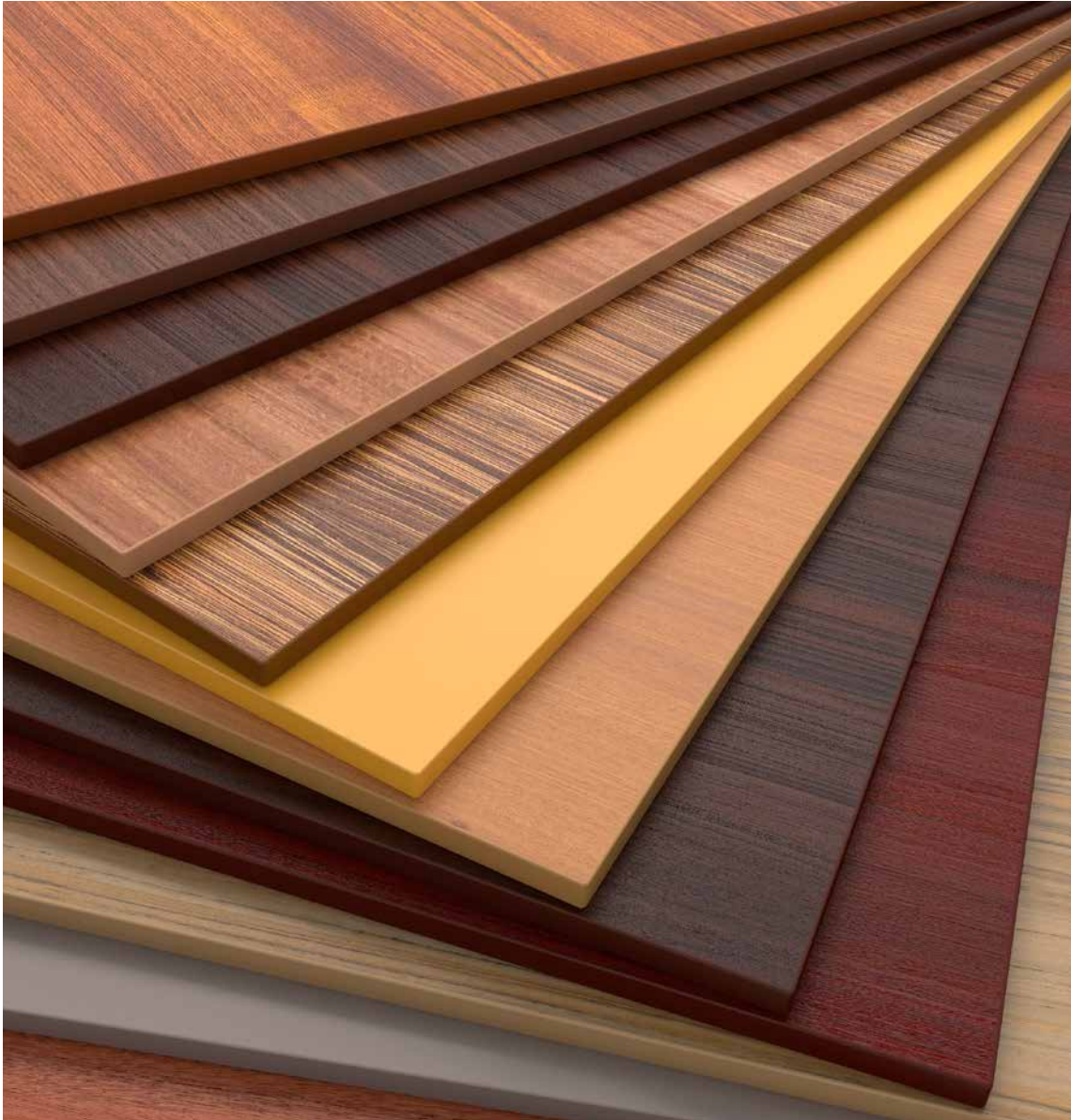


Quality Control Solutions for Woodbased Panels



Laboratory and Process Instruments and Support

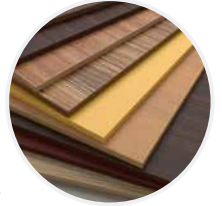
Perten Instruments solutions for woodbased panels

Woodbased panels producers need to keep costs low through improved efficiency and at the same time meet customer's requirements on products quality and product performance. Perten Instruments offers analytical instruments that helps woodbased panels producers meet these demands.

- Our instruments are designed to help you save
- Our instruments are designed to help you improve quality and consistency

Woodbased panels

The uses of woodbased panels are many and varied. Adjusting the production process to a certain product or quality require control of the process and knowledge of key properties in the wood raw material and material in process.



In the Lab and in the Process

The DA 7250 is designed for measurements in laboratory or process environment.

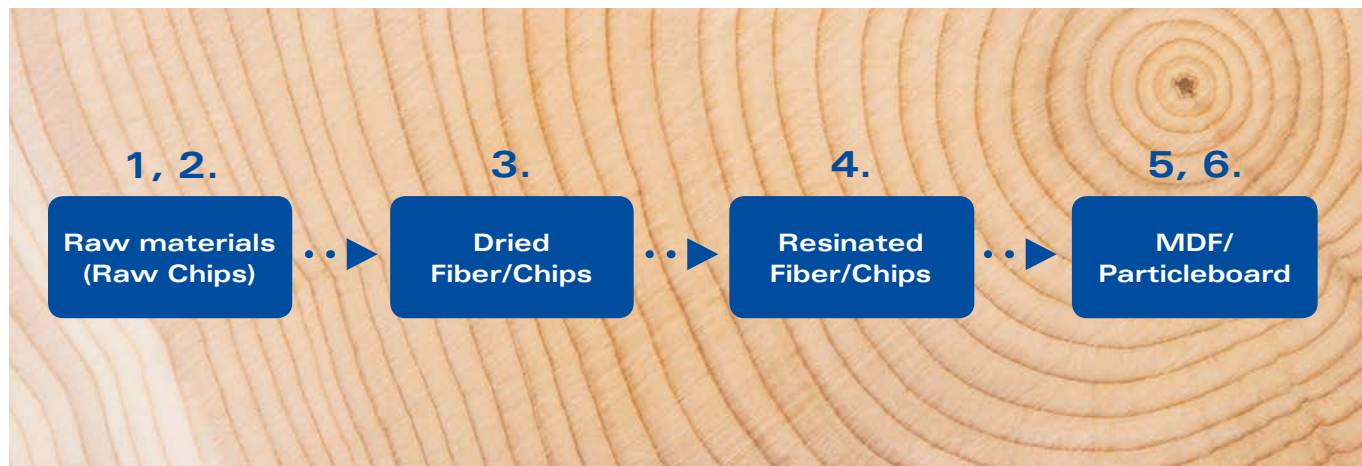


The DA 7440 is designed for over belt applications.



On-line measurements in contact with material are made with DA 7300.

Improving profits



Solutions for fast measurements in all steps of the process.

Raw material

- 1.** Knowledge of raw material properties is important in order to obtain the correct product properties. Full quality information of incoming raw material means you can pay for what you actually receive – not what you specified.
 - Our NIR instruments such as the DA 7250 determine extractives, ash, moisture and more in wood in as little as 6 seconds.
 - Our on-line NIR instruments such as the DA 7300 and DA 7440 determine process and quality parameters continuously.
 - Our viscosity meters provide rheology data on resins and wax emulsions.

Optimize your process

Monitoring and controlling the production process is key to efficient production and profitability. Drying, resin addition, glue recipes, additive dosing can all be optimized using NIR instruments from Perten, on-line and at-line.

- 2.** Match wood raw material properties with process behavior and product properties by on-line measurements of moisture and wood chemistry.
- 3.** Optimize dryer operation, avoid over-drying wood by precise and stable on-line measurement.
- 4.** Maximise efficiency by on-line or at line measurement of moisture and resin load after mixing wood chips or fibre with resin and additives.
- 5.** Optimize glue recipes by on-line or at line.
- 6.** Optimize line speed by on-line measurements of board moisture after press.



Recommended products

DA 7250 NIR Analyzer – Fast, accurate, easy-to-use, versatile – Six second analysis of Wood chips, woodbased panels and resins. Measure parameters such as extractives, moisture, resin chemistry – and more.

DA 7300 On-line NIR Analyzer – Determine extractives, moisture and more in realtime. The DA 7300 automatically feeds the information back to your process control system for instant optimization. Calibrations are fully transferable between the DA 7300 and the DA 7250.

DA 7440 – On-line measurements of board moisture after press – and more.

RVA – Functional analysis – Measure viscosity of liquids under controlled conditions.

To find out more about Perten Instruments, our products or local support, please visit our website at www.perten.com



- Perten Office
- Perten Distributor