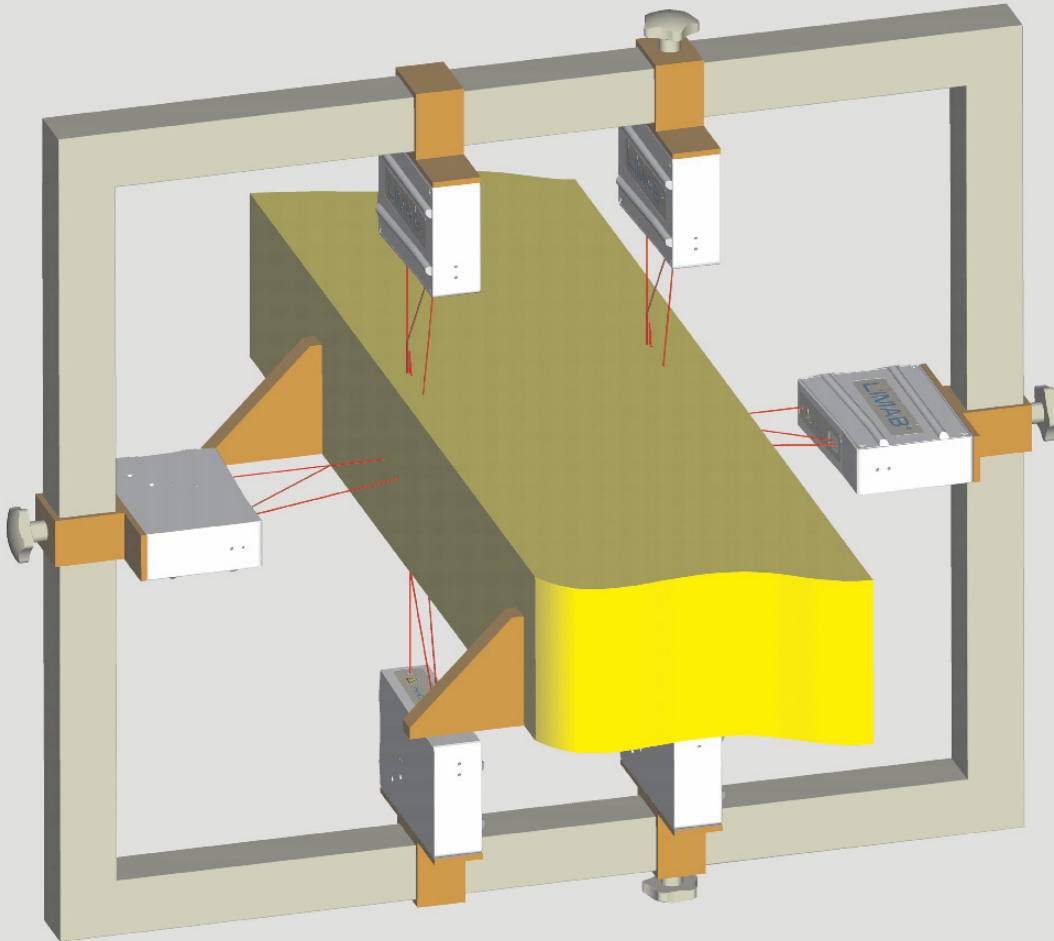


LIMAB®

TMS1000

NEW!



Dimensional control of thickness and width for planers and gluelam production.

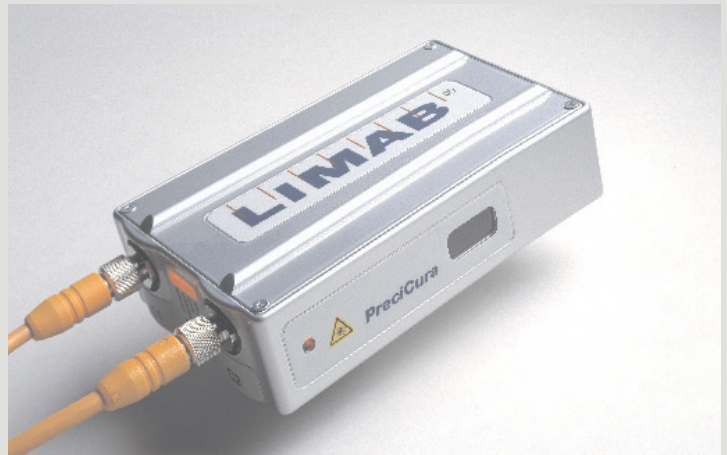
TMS 1000

With LIMAB non contact laser measurement system it's possible to nearly anywhere in production measure thickness, width and length of wood pieces. Measurement is done automatically, under lengthwise movement, in one or more measuring tracks with 1/10 of a millimetre accuracy. Length is measured by means of counting pulses from an encoder giving an accuracy of typically +-10mm, depending on mechanical conveyor conditions. On the system PC alarm limits for upper and lower values can easily be keyed in. One can also specify max allowed extension for out of spec condition before alarm output activates. This means that the operator immediately gets alerted when a board is e.g. too thin and should not be glued. The software displays the profile of each board graphically. Each production batch is statistically evaluated, the result telling how many pieces are ok, too thin, too narrow, too short and so on. In a dimensional table all products with specific data can easily be keyed in and then chosen for each new run. Data can continuously, and/or after every batch be transferred to external PLC or control system.

Technical data PreciCura laser sensors:

Advanced triangulation sensor with DSP, Digital Signal Processor, high resolution CCD-array and precision optics. The sensors are in hardware exactly synchronise to eliminate measurement errors caused by vibrations and bumps. They have built in CAN-Bus, which enables fast data transfer but also simplifies installation.

Measurement range	200mm
Stand off	100mm
Repeating accuracy	±0,05mm
Measurement frequency	800Hz
Laser class	2 (1mW laser)
Protection class	IP65
Size	162 x 108 x 42mm



The system consists of:

- 2pcs/4pcs/6pcs or more Precicura's (2pcs/track thickness and width)
- PC with plug in cards for CAN-Bus connection and alarm outputs
- Encoder, CAN-Bus type, with mounting bracket and shaft coupling
- Air knives for lower sensors
- Connection boxes and cabling
- Sensor mounting frame can be made after customer specification

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