TM200 & TM200-LEV

TM200

TO MEASURE BOARD THICKNESS AND WEIGHT IN REAL TIME

The TM200 system has been designed for the on-line measurement of thickness, weight and density (when used in conjunction with the weighing scale).
The TM200 system consists of a sturdy tubular steel beam; the fully detachable structure installs around the board roller conveyor at press or sander outfeed, and comes complete with the electrical and pneumatic plant.
An electric box housing the micro processor is mounted on the side of the structure, whereas the PC, monitor and printer are normally located in the control room.

MAIN FEATURES

• Measurement is not influenced by vibration or board undulation • Board thickness measured non stop • Reliable, complete and accurate measurements with good repeatability • The board is not damaged in any way by the measurement • Fast moving system to ensure accurate measurement even with high-speed cycles • Incorporated database to store the measurement reports, for statistical analysis and graph printouts • Numerous graphs available such as: boards produced, pressings effected, average thickness, weight and density, for error search and forming line control etc ... • Network linking possible with different kinds of PLC (Siemens, Allen Bradley, Beckhoff, etc ...) based on different protocols such as TCP/IP, OPC UA, Ethercat, etc ... • Normally installed after single opening, multi-opening or continuous presses.

BEST IN CLASS FOR:

WOOD BASED PANELS:
PB/SPB
OSB/LSB/FOSB
MDF/HDF
PLYWOOD
LVL

ADVANTAGES

• Extremely accurate measuring ability • Quick and easy to install • Simple to use • Little routine maintenance needed • Self-calibrating system for thickness and weighing scale (when present).

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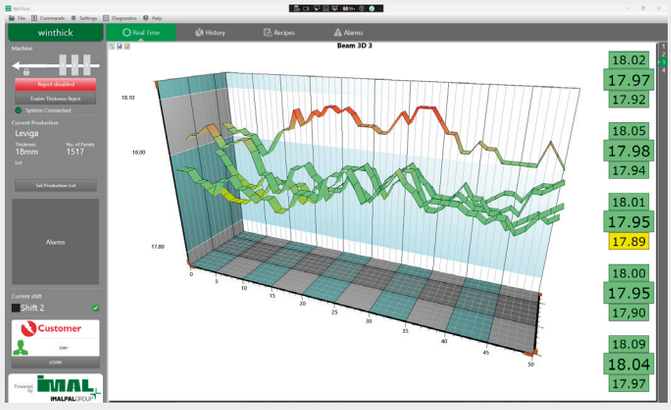
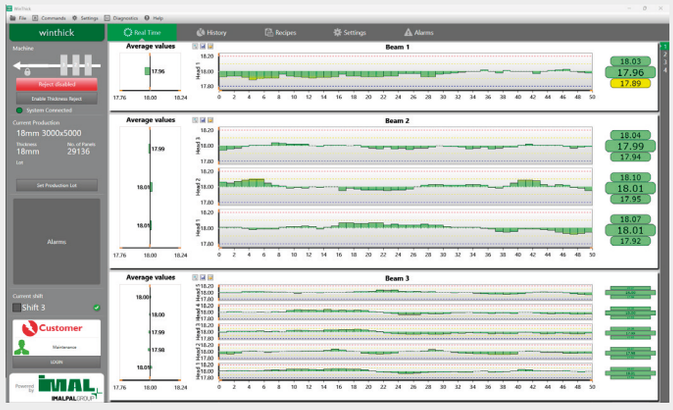
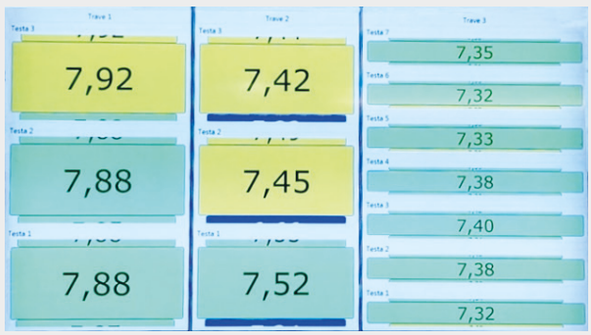




The TM200 – LEV version is also available for installation on the sanding line. This version differs from the standard version in that the system is able to control measuring points distributed over several beams (up to 4 beams for a total of 48 measuring points), with the measurements conveniently displayed on the same monitor.



TECHNICAL DATA	
LONGITUDINAL MEASURING POINTS (WIN-LEV)	From 1 to 4
TRANSVERSAL MEASURING POINTS	From 1 to 12
MAX MEASURABLE THICKNESS	50 mm (80 ÷ 120 optional)
MIN RESOLUTION	1/100 mm
MAX ERROR	2/100 mm
MAX LINE SPEED	210 m/min
MAX TEMPERATURE OF THE BOARD BEING MEASURED	180 °C
MAX OPERATING TEMPERATURE OF CUBICLE	40 °C