

New technology developed for online thickness measurement

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Electronic Wood Systems introduces a new technology for thickness measurement in high volume production lines. Besides moisture control, thickness measurement is very important for cost effective panel board production. Especially on thin panels it is essential to keep the thickness constant. Thickness measurement sounds simple, but involves complex technology. The solutions are technically challenging, because high accuracy requirements must be assured on high speed production lines in harsh environments. Mostly in today's high speed production lines the board gaps are very small to calibrate the system reliably.

The new "Online-Calibration" which is patented by EWS is a cost- and space-saving alternative. Also upgrades of existing thickness measuring systems can be done easily. Next to the real-time evaluation unit Gauge-Controller, this is a further step to satisfy the requirements on modern measurement systems like complete process integration of measuring values and short-dated amortization of investments.