The WINBLICK system has been designed to measure thickness, weight and density of wood-based panels on line, as well as to detect any defects inside the board (particleboard, OSB, MDF) such as unglued areas, delaminated or blown areas, bubbles, cracks, etc... The two-in-one system may be installed virtually anywhere, both on new lines as well as on lines which are already in operation and may be adapted to suit a wide range of working conditions. It is extremely reliable and does not require any particular maintenance.

**MAIN FEATURES**

- Sturdy mechanical assembly of the structure and of the sensors in particular
- Measurement is made without damaging the board in any way
- Fast moving system to ensure accurate measurement even with high speed cycles
- Fast measuring speed
- Board thickness measured non-stop
- An efficient pneumatic system ensures that the transmitters are kept clean, reducing maintenance
- Incorporated database to store the measurement reports, for statistical analysis and graph printouts
- Numerous graphs available such as: production trend blisters, opening trend, board quality trends
- Network linking possible with TCP/IP protocol for Siemens S5/S7 and Allen-Bradley ControlLogix
- Available in most of the languages commonly spoken around the world today
- Diagnostics and monitoring of the system’s operating status.

**ADVANTAGES**

- Repeatability, reliability, comprehensive and accurate measurement
- Production process constantly monitored
- Improvement in production quality
- On-line visualization of the production process
- Extremely accurate measurement (maximum error of 0.02 mm on thickness measured)
- Quick and easy to install
- Simple to use.
THICKNESS DIAGRAM OF LAST “N” BOARDS
Thickness of the last “n” boards for each sensor, average values and average of averages. Weight can also be recorded for the WinBlick. Available on single-opening, multi-opening and continuous presses.

GAUSS DIAGRAM OF THICKNESS
Gauss curve for each board thickness, last pressing and all productions, with both graphic and numerical overall values, and values for each sensor, with indications of averages, variances and CP e CPK as well. Available on single-opening, multi-opening and continuous presses.

PRODUCTION TREND LAST “N” BOARDS AND PRESSING DIAGRAM
Thickness trend for the last “n” pressings and last “n” boards with total, average and individual values. Weight and density trends in relation to thickness can only be provided with the scale (when weigh scale is installed). It is also possible to highlight one opening per pressing using a different colour. Available on single-opening, multi-opening, and continuous presses with the scales only.

TREND AREAS INFLUENCED BY PRESS CYLINDER
Thickness trend for each area influenced by the press cylinder in the last “n” pressings with average thickness values. This data is also indicated for each opening of a multi-opening press. Available on single-opening, multi-opening presses.
MULTI-VISUALIZATION
The WinBlick “window” menu provides a simultaneous and comprehensive visualization of several graphs at a time, up-dated in real time, thus facilitating what is often a more complex consultation. This multi-visualization system also proves to be practical and efficient when functioning jointly with the thickness and density gauge.

BOARDS QUALITY BLISTER TREND
This graph illustrates the percentage of defects for each single board. A horizontal scroll will show the last 1000 boards, providing a quick assessment of the production trend over a certain time period.

THICKNESS DIAGRAM
Board section thickness for each sensor, average thickness for each sensor, average of averages, instantaneous values at different longitudinal points, minimum and maximum values for each sensor (up to 9 measuring points). Available on single-opening, multi-opening and continuous presses.

REAL TIME GRAPH OF BOARD
The WinBlick system can manage up to twenty-four blister detecting channels along the width of the board. This graph shows the real time WinBlick visualization of the top view of the board with relative blistered areas.
THICKNESS METER AND BLISTER CLASSIFIER - WINBLICK

THICKNESS GAUGING, BLOWN BOARD DETECTION AND BOARD WEIGHING SYSTEM

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<td><strong>CHANNEL WIDTH</strong></td>
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