OPTICAL SCREEN

ON LINE SCREENCAM100

TO MEASURE THE GRANULOMETRIES OF
WOOD-BASED PARTICLES ONLINE

BEST IN CLASS FOR:

WOOD BASED PANELS:
PB/SPB
MDF/HDF

PRESSED WOOD PACKAGING:
PALLET BLOCKS
PRESSED PALLETS

PELLETS & ENERGY:
WOOD PELLETS AND
BLACK PELLETS

The application of optical technology in the ON LINE SCREENCAM 100 permits an accurate measurement of the dimensions of the particles directly online in a completely automatic way, with elevated repeatability and rapid response times, new results are obtained every couple of minutes.

The automatic cleaning system, which is connected to an external vacuum, cleaner, does not require operator intervention in the vicinity of the machine. The entire process is automated, from the collection of the material, to the scanning process through to the cleaning operations.
The analyzing software, in conjunction with the numerous images taken, calculates the actual length (extension) and width of the particles even in cases where they are laid one over the other.

Various types of graphs and results are available so that the operator may easily obtain the information needed to optimize the process.
It is possible, for example, to monitor mill performance (both in the wet and dry areas) or the correct functioning of the screening sieves as the software informs of any out-of-tolerances and also provides indications of any grain size variation trends directly in the control room with an instant effect on the press cycle.

The result of each test is stored in the local database and may be consulted over the company network. In addition, the test results may be printed with the figures and the graph showing the granulometry distribution.

The impartial verification of test repeatability and/or comparison with previous tests, is made by placing one graph over the other by means of a simple set of menu choices.

MAIN FEATURES
• Accurate and repeatable measurement of the particle dimensions
• Complete automatic ONLINE testing
• Simulation of any number and dimension of sieves
• WET AREA: online verification of granulometry quality with instant feedback on mill performance
• DRY AREA : online verification of granulometry quality with instant information for Resination and Press cycle performance
• User friendly software for immediate feedback for the production line
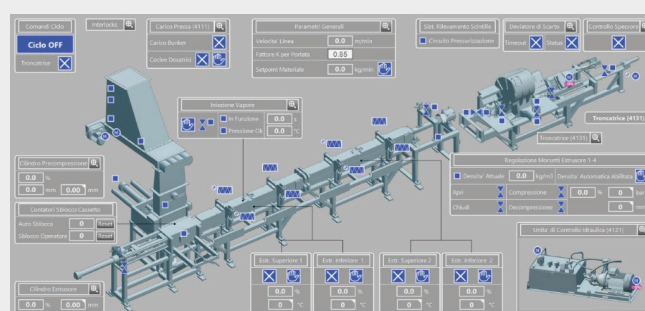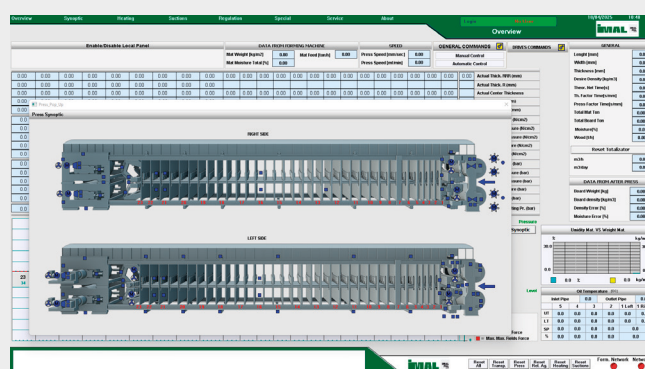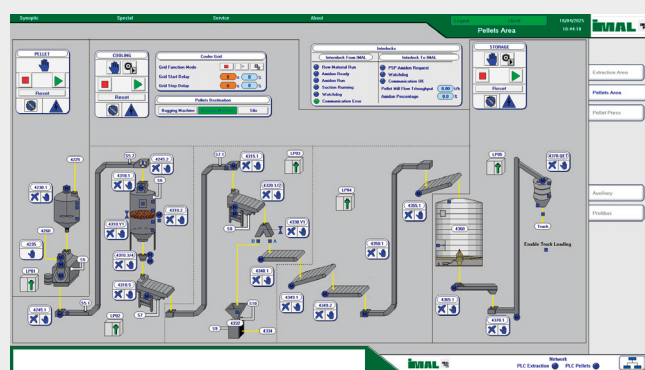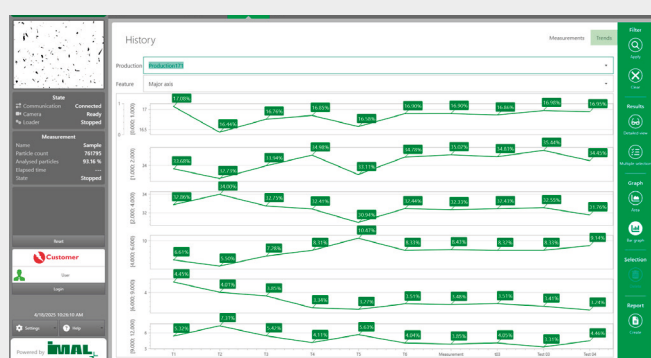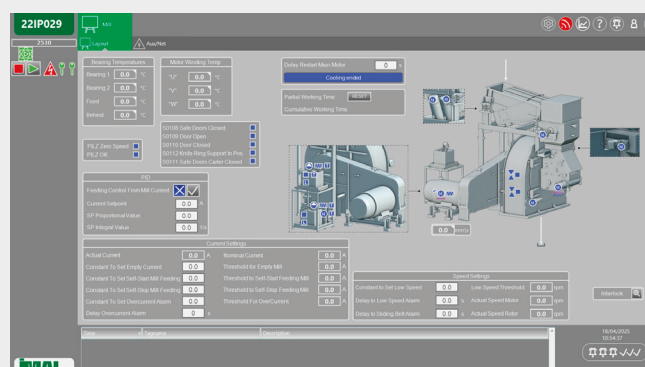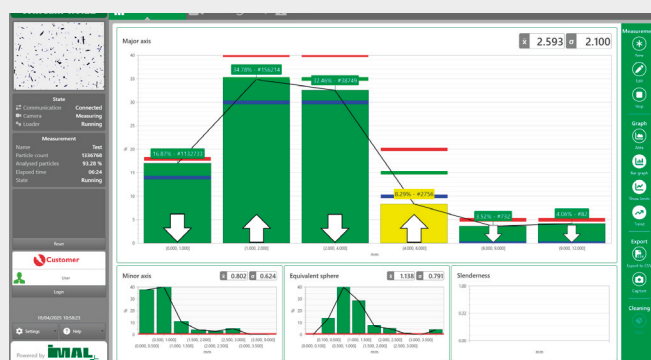
TECHNICAL DATA

MEASURING RANGE	Two ranges available [0.10 ± 35mm] [0.25 – 70mm]
NO. OF SCREENS	up to 15 virtual sieves may be programmed
REPEATABILITY	error < 1%
MAX SCANS	up to 800,000 image/min
CLEANED AUTOMATICALLY AFTER EACH CYCLE	yes