

## OPTICAL SCREEN ON LINE FIBERCAM100

TO MEASURE THE GRANULOMETRIES OF  
WOOD-BASED FIBRES ONLINE



The application of optical technology in the ON LINE FIBERCAM 100 permits an accurate measurement of the dimensions of the fibres 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 fibres 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 refiner performance, (and automatically disk wear), as the software informs of any out-of-tolerances and also provides indications of any fibre size variation trends. This is very useful for understanding when the refiner disks need to be replaced, but also for correcting the blending process and press cycle, to maintain plant performance over time.

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.

### BEST IN CLASS FOR:



WOOD BASED PANELS:

PB/SPB

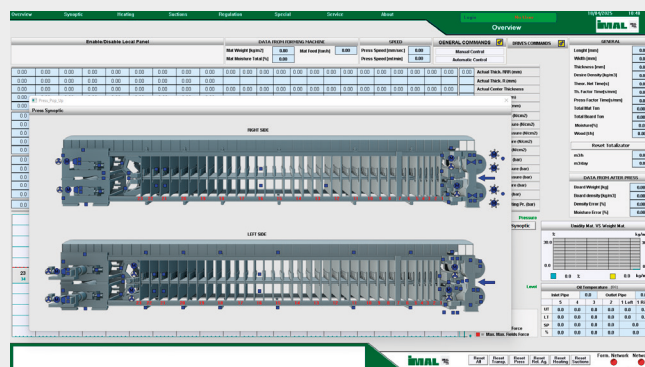
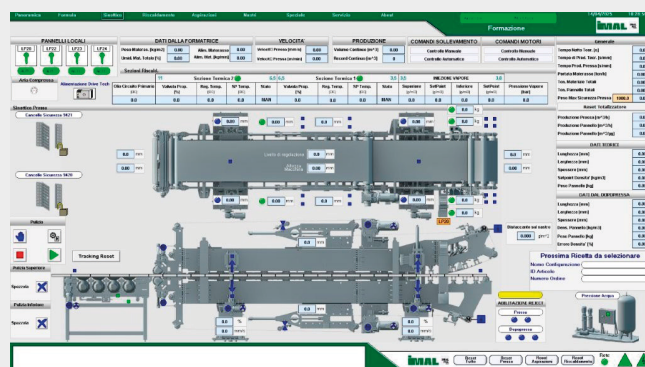
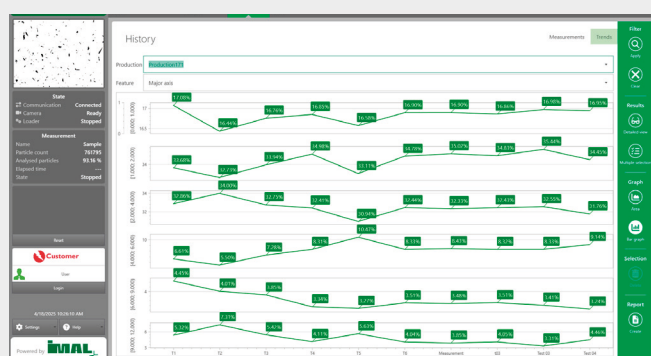
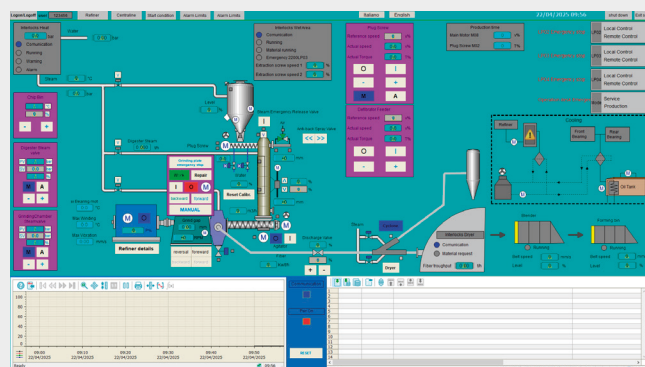
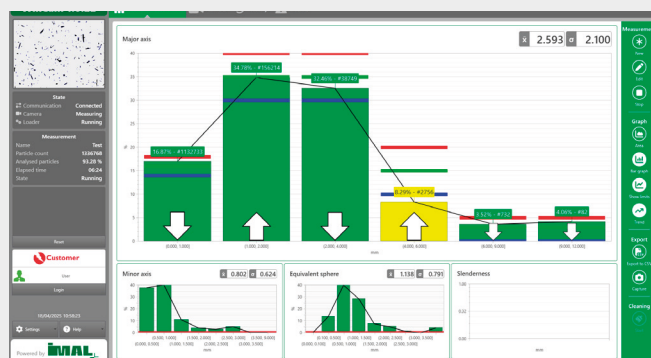
MDF/HDF

INSULATION BOARDS

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 fibre dimensions
- Complete automatic ONLINE testing
- Simulation of any number and dimension of sieves
- DRY AREA: online verification of fibre quality with instant information on Refiner disc performance & the consequent optimization of the resination process and press cycle performance
- User friendly software for immediate feedback for production line



## TECHNICAL DATA

MEASURING RANGE	0.05 ÷ 30 mm
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