• PB • OSB • MDF • PALLET BLOCKS • PLYWOOD

IMAL PAL GROUP

BOARD PROPERTY TESTER

IB800

TO CARRY OUT LABORATORY TESTS FOR BOARD QUALITY CONTROL

The IB800 laboratory testing machine has been designed to test the quality and mechanical characteristics of wood-based panels (particleboard, MDF, OSB, plywood and pallet blocks) and to then process the results obtained. The IB800 combines simplicity of use with safe and reliable operation thanks to a microprocessor which controls the data measurement process and file management. It comes complete with a set of accessories to conduct all the tests in full compliance with today's standards (European standards, North American standards and others upon request).

TESTS PERFORMED IN COMPLIANCE WITH EN EUROPEAN STANDARDS

• Dimensions (EN 325) • Density (EN 323) • Tensile strength (EN319) • Surface soundness (EN311) • Screw holding (EN320) • Bending strength and Modulus of Elasticity (EN310).

OTHER TESTS FOR WHICH IT IS POSSIBLE TO COLLECT AND STORE DATA IN THE IB800 DATABASE, IN CONJUNCTION WITH OTHER EQUIPMENT:

• Swelling and absorption (EN317) • Cyclic test in wet conditions (EN321) • Moisture content (EN322) • Boil test (EN1087-1) • Formaldehyde content (EN ISO 12460-5 / 12460-3) • Surface absorption (EN382) • Dimensional changes according to humidity (EN318) • PB, MDF and OSB moisture values • Particle / fiber screening test • Sand content • Hardness.

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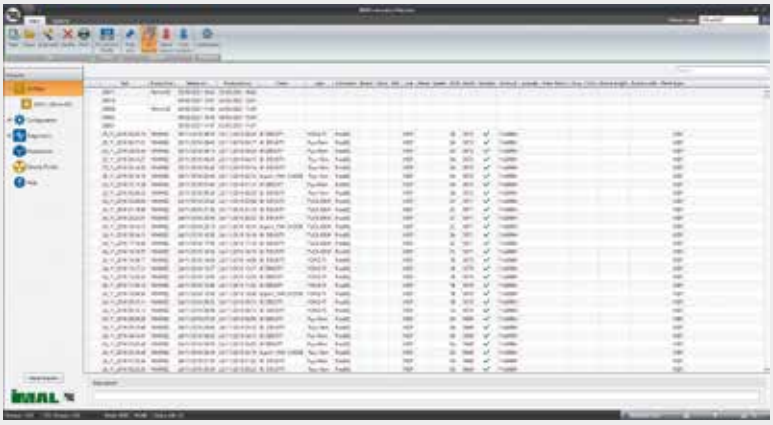
The operator can programme and carry out the tests which need to be conducted to control the quality of the board produced with simple operations. The user interface combines top level graphics with the most modern software technology for filing data and the subsequent data search. All the data are stored in an SQL server database, from where they may be exported to other applications, like Excel for example, and/or printed (in graph form and/or as a numerical report). It is possible to connect the database up to the plant network to share all the test results. The software has features that will help the operator to carry out the tests, such as for example a photograph showing which tools to use for a particular test and a short video tutorial.

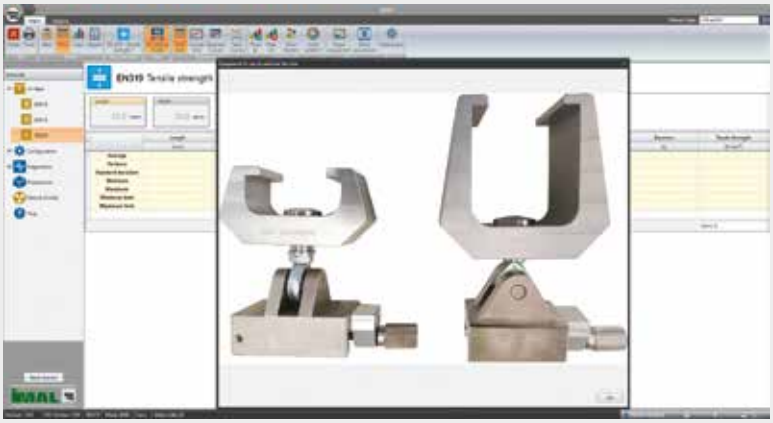
A QR code reader may be installed as an optional for the automatic identification of samples prepared by the IMAL SMC200, to save time and avoid human error.

IB800 can import data from the DPX300 and DPX300-LTE density profile meters.

SQL SERVER DATABASE



EQUIPMENT TO USE TO PERFORM THE TEST



TEST IN PROGRESS

TEST REPORT