



• PB • OSB • MDF



WATER BATH FOR SWELLING AND BOIL TESTS

SW200 & BT200

The SW200 and BT200 appliances consist of a water bath which is used to carry out laboratory and immersion tests on samples of wood-based panels (particleboard, MDF, OSB) in accordance with EN European standard requirements (it may also be used in conjunction with other IMAL equipment) such as: • Swelling and absorption (EN 317) • Boil test (EN 1087-1)

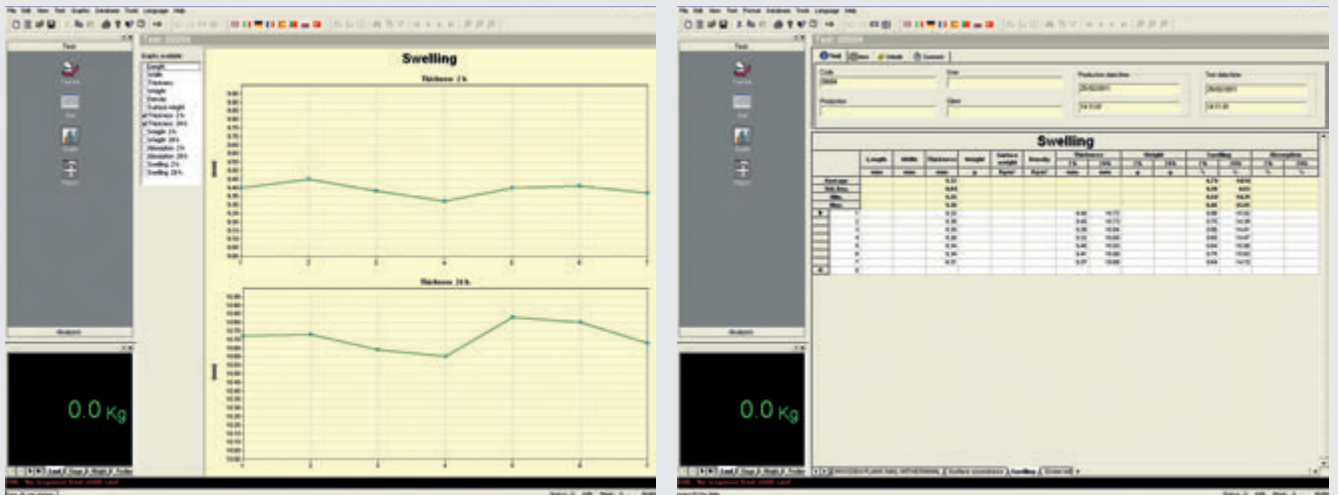
The system has a control unit for regulating temperature as required by the EN standards. Up to 4 separate timers may be set on the touchscreen display (one per sample rack). Temperature is monitored from the trend view.

The equipment comes with racks for immersing the samples for the test that is to be carried out, the 2 racks for the EN317 swelling test have been designed to house the samples in full compliance with the standard requirements and the distances indicated. The number of samples which may be immersed will depend on sample thickness plus a minimum space between one sample and the next. The bath can hold between 40 and 120 samples. The 2 racks for the BT200 version for the EN1087-1 test can house the samples that have been glued to the relative supports, the bath can hold 24 samples.

Water temperature is set on the display in relation to the test which is to be carried out, and is regulated by a PID control. An immersion heater is fitted inside the tank and an immersion cooling circuit ensures that temperature is kept uniform and that the water is still inside the tank as recommended in the EN317 standard. The system is also equipped with a level control, safety temperature control and drain tap.



IN CONJUNCTION WITH IB700 BOARD PROPERTY TESTER



TECHNICAL DATA

OPERATING TEMPERATURE (EN 317)	20 °C
OPERATING TEMPERATURE (EN 1087-1)	100 °C
TEMPERATURE STABILITY	± 2 °C
RESOLUTION	0.1 °C
NOMINAL SAMPLE SIZE	50 x 50 mm
WATER VOLUME	36 l
INSTALLED POWER	2.8 kW / 230 V
SAMPLES PER RACK SW200	20 ÷ 60 (in relation to thickness)
SAMPLES PER RACK BT200	12