LABORATORY PRESS

PL100

TO PRESS BOARD FOR BOARDS FOR TESTING PURPOSES

BEST IN CLASS FOR:

WOOD BASED PANELS:
PB/SPB
OSB/LSB/FOSB
MDF/HDF

The laboratory press is able to produce sample boards for testing purposes, with adjustable specific pressure and adjustable temperature for binder curing. The PL100 Laboratory Press is produced in a standard 600 x 600 mm version but other sizes may be evaluated upon request.
The laboratory press has its own electronic control which reads the signal coming from a level transducer and the pressure inside the cylinder.
The data regarding the cycle required is stored in its memory. The system controls the various phases of the cycle following a logic sequence, and the switching over from one phase to the next occurs as soon as a specific condition is fulfilled. The parameters available to the operator are thickness, time, pressure and internal temperature of the board during the press cycle.
The memory is ample enough to store a large number of cycles (the number is limited by the computer's hard disk storage capacity), and the parameters relating to each cycle are stored as well.
The system directly controls the hydraulic valves to obtain the desired cycle.

The software has been developed on two bases: a computer to set, store and display the data, for which clear and intuitive graphics are used, and a microprocessor for the actual control of the process, which has been created with the aid of sturdy and reliable HW, suitably designed for the purpose.

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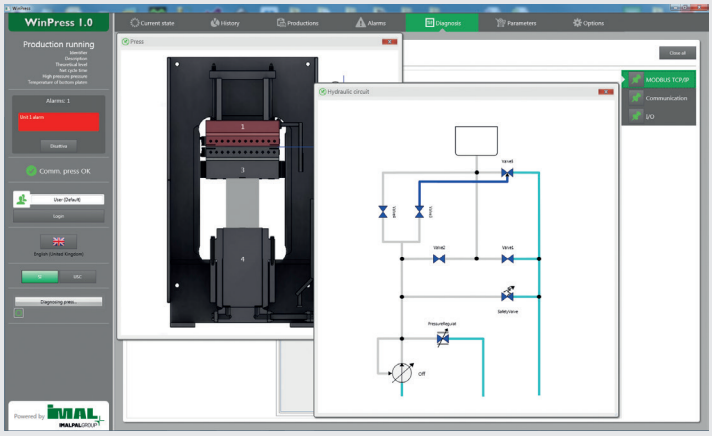

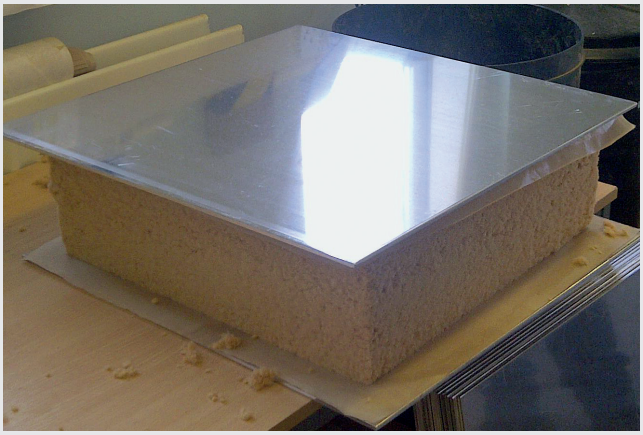

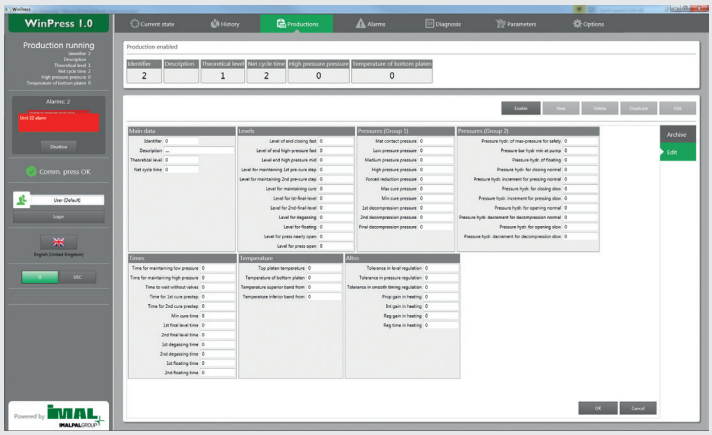

TECHNICAL DATA	
HOT PLATEN SIZE	600 x 600 mm
AVAILABLE WITH DIFFERENT PLATEN SIZE	YES
OPERATING PRESSURE	max 250 bar (3620 PSI)
HOT PLATEN TEMPERATURE	250 °C (480 °F)
INSTALLED POWER	26 kW
SPECIFIC PRESSURE 600 X 600 AT 250 BAR	540 N/cm^2 (782 lbf/in^2)
CYLINDER DIAMETER	320 mm (12 5/8")
PRESS APERTURE/CYLINDER STROKE	400 mm (15 3/4")
DIFFERENT PRESSING CYCLES SETTABLE	YES
POWER AND PHASE (AS PER SITE INSTALLATION REQUIREMENTS)	from 400 V / 50 Hz
INCORPORATED HYDRAULIC CONTROL UNIT	YES
TOUCH SCREEN COMPUTER/MONITOR	YES
INCORPORATED ELECTRICAL CABINET	YES