SANDING, MARKING & CUTTING MACHINE FOR LABORATORY TEST SAMPLES

SMC200

SAND, MARK & CUT

BEST IN CLASS FOR:

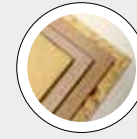WOOD BASED PANELS:
PB/SPB
OSB/LSB/FOSB
MDF/HDF
PLYWOOD

The SMC200 is a fully automatic system for preparing laboratory samples for testing purposes. Once the strip taken from the production line has been inserted into the process, it is cut into samples on the basis of the cutting pattern programmed. If contemplated in the cutting pattern for standard compliancy purposes, the SMC200 can also sand the top and bottom of the sample with extreme precision. The rejects are separated out from the good samples at the end of the cycle and these are marked with a QR code for performing EN tests with other IMAL systems like the IB800 and an alpha-numeric code for rapid identification.

MAIN FEATURES

• The SMC200 is able to handle the cutting and sanding of the samples autonomously, starting from the "laboratory cut" made by the continuous saw; this gives the operator time to concentrate on other tasks such as running the tests themselves. • To achieve a quality cut and sanding of the samples with repeatability, the SMC200 does not require operator intervention for the preparation of the samples hence ensuring a constant sample quality. • For an optimal distribution of the samples over the panel. • To manage the number and size of the samples which are to be cut, • To keep track of the samples that have been cut. The SMC200 cuts and sands the samples with 0.1 mm precision, thus ensuring that the samples are produced with straight edges and parallel surfaces. • To run an elevated number of tests daily with the assistance of just one operator • To cut and sand the samples without putting operator safety at risk, the SMC200 does not require operator intervention hence minimizing exposure to unnecessary risks.

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The operator uses the alphanumeric code to separate and order the samples allocated for the various tests. The Data Matrix code is used to identify the sample in the database and allows compatible equipment (e.g.: IB800) to access the position data that the SMC200 has stored.

CUTTING PATTERN VIEW
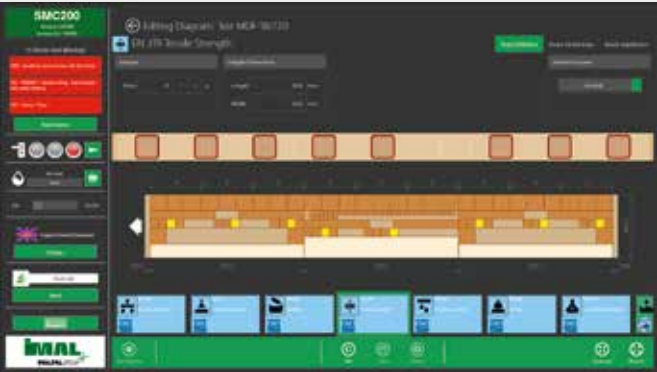
DEBUG VIEW

TECHNICAL DATA	
POWER SUPPLY	400 V
POWER INSTALLED	23 kW
CUTTING RANGE WIDTH	Up to 630 mm
CUTTING RANGE LENGTH	Up to 4000 mm
CUTTING RANGE FINAL SAMPLE	25 ÷ 1350 mm
THICKNESS	Up to 50 mm
DATA PROCESSING	DIN, EN, ASTM, ANSI
AIR PRESSURE	6 bar
SUCTION	Option - 12.000 m³/h , 25 m/sec.
DIMENSIONS	6.600 x 2.200 x 2.150 mm