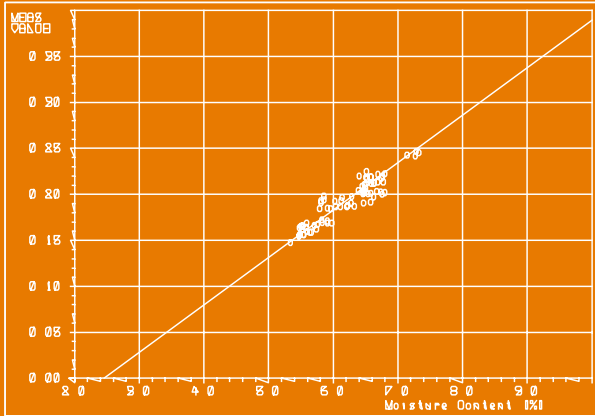


NEW

Laboratory Microwave Measuring Station to Measure the Moisture of Wood Test Samples

MWF 3000 LM



For the production of PARTICLE, MDF, HDF and OSB boards, the moisture content of the finished panel is an important quality feature.

Usually, the moisture must not exceed a certain limit because escaping steam might cause big problems in later processes.

To control the quality of the finished panels, a test sample of 5 cm x 5 cm, sawn out of a finished panel, is measured in the laboratory.

The usual reference is the oven drying method (100° C to 106° C, 24 h).

In contrast to usual quick analysis methods, the integral panel moisture is determined.

Calibration is simple and done very quickly.

Advantages:

- Integral moisture (core moisture)
- short measuring time of about 1 second
- precise with an average deviation of < 0.2 %
- independent of the panel thickness with only one calibration
- variable sample thicknesses between 3 mm and 40 mm

Measurement is carried out in a sample magazine with a square inside diameter of 5.1 cm x 5.1 cm and a wall thickness of 1 mm.

GreCon®