

TimberScan

Döscher & Döscher

Automated moisture measurement for solid wood up to a thickness of 50 mm

Product Description

The TimberScan measures the moisture of solid wood such as: timber, solid parquet and veneer up to a thickness of 50 mm.

It can be installed into the production process of such materials and continuously measures the moisture content of the product.

Method

The measuring system consists of Interspace probe, cabinet and terminal. The product to be measured is fed non-contact through the gap of the probe.

Every product passing the electromagnetic field is changing the characteristic of the field which will be analyzed. Unlike conventional methods with transmitter and antenna this new concept, consisting of a combination of transmission and resonance method, the measuring signal continuously penetrates the product. A very intense reciprocal effect between field and water molecules in the product arises, which leads to a very high sensitivity and measurement accuracy of the water content.

The measuring method works without heating the product and is independently from density as well as thickness of the product. The characteristics of the method are non-contact measurement, low calibration expenditure, high measuring accuracy and excellent long term stability.

Service

Döscher & Döscher's special support: Using special diagnostic software directly from the Hamburg headquarters, support and maintenance work can be accomplished online while talking with the customer.

TimberScan
for non-contact moisture measurement



sketch of TimberScan



