

- Evaluation of the filling factor for electrical sheet packages
- Exact determination of the stacking height of stator packages
- Applications in the manufacture of electrical motors and transformers
- Suitable for single strips and punched parts/punchings
- Application in R&D, production and incoming goods control
- Testing in accordance with IEC 60404 – 13, ASTM A719 and others
- Software programme for testing, displaying and saving measuring data
- Integration into superordinated QM systems

## Measuring categories

Stacking factor

Calculation of stacking height

# Stacking Factor Tester SFT 300

## Function

The total thickness (filling factor) of stator cores and transformer packages is tested. After the samples of electrical sheet have been measured and weighed, they are stacked to a minimum height of 6mm, then fitted and pressed between the jaws of a press.

As soon as a pressure of 1.0 ( $\pm 0.05$ ) N/mm<sup>2</sup> is reached, the actual measuring process begins. The distance between the jaws of the press is measured and the stacking factor is thus defined. The measuring result is saved with the corresponding measuring parameters.

The Windows 10/11-compatible software controls and checks the measuring process. The measuring data can be saved and adopted for other uses. The integration into superordinated QM systems is possible.

The stacking factor tester is, among other things, ideal for use in the testing of incoming goods in companies manufacturing electrical motors wishing to test whether the steel sheets supplied correspond to the filling factor requirements of the stators which they produce.

Installation and testing procedure comply with international standards IEC, ASTM and GB.

## Technical Data

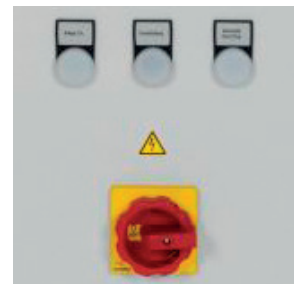
Pressure device	1.0 ( $\pm 0.05$ ) N/mm <sup>2</sup>
Measurement of length	0 – 25 mm $\pm 0.2$ %
Measuring accuracy	< 0.2 %
Comparability of the measuring results	in accordance with IEC 60404-13
Size of samples	30 x 300 mm
Dimensions of equipment	900 x 600 x 1,030 mm (W x D x H)
Power supply	3 x 400 V + N



Stacking factor tester



Length measuring sensors



Control of stacking factor



Detail of stacking factor

Other measuring systems

**Electrical Steel: C 510**

**Electrical Steel: MPG 200 D**

**Inline: EBA**

**Surface Resistance: Franklin Tester**

Product divisions

**Measuring Technology for Hard Magnetic Materials**

**Magnetizing Technology**

**Services**