

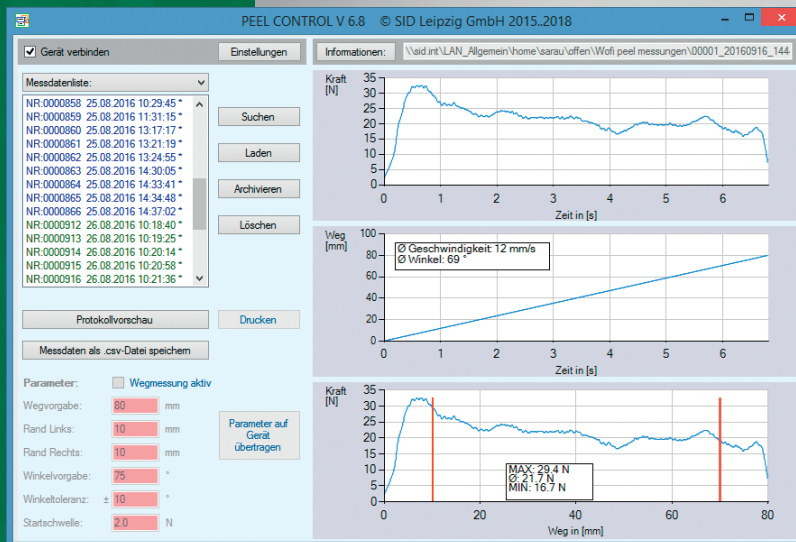
Separating Force Gauge

PEEL CONTROL

Device for measuring the opening force of peelable packaging or the separating force of materials that have been glued, heat-sealed or laminated together. The measured values can be shown on the device or exported to a PC. The supplied software allows an immediate documentation of the results. The compact device is ideally suited for on-site use.



Polygraphische innovative
Technik Leipzig





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Working Principle

After fixing the test object with the clamping device, the opening or the separating process is carried out by hand. The measured values of the entire procedure are recorded and the different parameters can be subsequently viewed and the data can be exported. PEEL CONTROL is equipped with diverse features that are inspired by practical functions from traction force testing machines. This includes, e.g. automatic zeroing, calculation of all relevant traction force parameters, graphical view of the force progression, angle measurement, signal for angle set-point adherence and the measurement of the opening stroke.



PITSID develops systems for the graphic arts industry together with the Sächsisches Institut für die Druckindustrie.

The current product assortment comprises devices for measuring and testing print registration, contact pressure, traction force, packing height, gap widths, UV curing, IPA concentrations, book block strength and also printing plate positioning in plate bending devices and roller adjustments.

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Technical Data

Application range

Determination of the opening and separating force progression under consideration of the pulling angle and separating position, hand-held device for quality control during production

Measurement range traction force	0.0 ... 60.0 N
Resolution	0.1 N
Measurement uncertainty	± 0.2 N

Measurement range pulling angle	0 ... 180°
Resolution	1°

Measurement range distance	0 ... 250 mm
Resolution	1 mm

Hand-held device dimensions

210 x 100 x 40 mm

Measuring head dimensions

136 x 73 x 33 mm

Weight

Hand-held device	400 g
Measuring head	360 g

Operating temperature

15 °C ... 30 °C

Power supply

Battery operation: 4 x 1.5 V, Mignon type (AA), voltage supply via USB

Data transfer

Bluetooth, USB (type C)

Scope of delivery

Hand-held device including batteries and measuring head, evaluation program PeelControl.exe, operating manual German/English carrying case