

Perfect Binding Tester

BIND CONTROL

Measures and quantifiably evaluates the pull-out strength of perfect bound book blocks based on the pull test. The device allows for the assessment of block production machine performance and evaluates the block stability as a parameter of the book block quality.



Polygraphische innovative
Technik Leipzig





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Working Principle

The book block is trimmed to the test size and is positioned on the roof-shaped support with the sheet to be tested inserted in the slot provided. When the test is started, the sheet is gripped and extracted from the adhesive binding.

As a measure of the pull-out strength, the measured traction force per centimetre is indicated on the display.

Furthermore, various statistical analyses and quality classifications can be determined. The result data can be exported to a PC.



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

Measurement range

2.5 ... 30 N/cm

Resolution

0.1 N/cm

Application range

Perfect bound books of any size which are trimmed to the test size of the BIND CONTROL for measurement.

Test size

Spine length: 100 mm

Block width: 110 ... 130 mm

Device dimensions

290 x 255 x 300 mm

Weight

Approx. 9 kg

Operating temperature

15° C ... 30° C

Power supply

Electrical voltage: 100 ... 240 V, 50 ... 60 Hz

Scope of delivery

Measurement device, tool for verifying the device calibration, power cable, software program for the external evaluation and logging of the measurement results, operating manual

Option

Carrying case