

Stand Alone

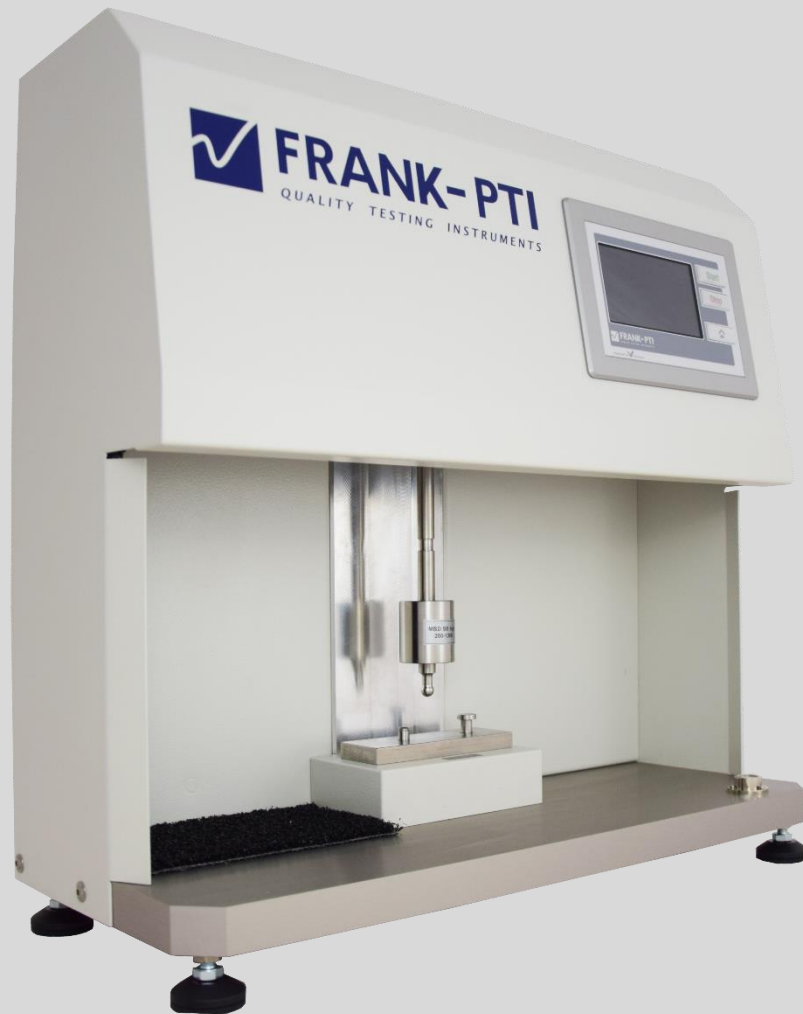


Internal Bond Tester

For:



For the determination of the internal bond strength of paper and board.



The MOST IMPORTANT BENEFITS:

- ✓ Integrated digital display
- ✓ Easy placement of the angle supports
- ✓ Automatic pendulum return
- ✓ Different pendulums available

 **FRANK-PTI**
QUALITY TESTING INSTRUMENTS

SUBSIDIARY OF  *Flot-Hansson*

 **M.C. TEC**

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PRODUCT DESCRIPTION

The Internal Bond Tester is used to determine the internal bond of paper and board. A pendulum strikes a prepared specimen which splits the sample under controlled conditions. The Internal Bond Tester complies with state-of-the-art technology and convinces with an easy-to-use touchscreen display, a fully automated pendulum return and the possibility of changing the various pendulums very easily.

The large touchscreen display shows a well-structured representation of individual values and statistics (maximum, minimum and average values and standard deviations) and, in addition, is compatible with ProbeNet.

TEST DESCRIPTION

After placing the prepared test sample into the device, the pendulum is released. The pendulum hits the test sample and splits the paper in the z-axis. The forces that are generated during the test are measured and can be displayed in various units. The pendulum is automatically returned to its initial position and is ready for another measurement. The results of a measurement series are recorded in the statistics.



Sample support with prepared sample, angle and pendulum

TECHNICAL DATA

DEVICE / INSTRUMENT

- Integrated digital display
- Five sample supports and aluminum angles in scope of delivery
- Easy inserting of the prepared supports with angles
- Automatic pendulum return
- Display of the values in ft-lb/in², J/m² or kg/cm
- Compatible with ProbeNet
- Available pendulums:
 - Low range (100-600 J/m²)
 - High range (200-1200 J/m²)
 - Special range (300-2400 J/m²)

APPLICABLE STANDARDS

ISO 16260
*more standards on request

MEASUREMENT

Measuring range:	Depending on the pendulum recommended: LR 130-500 J/m ² HR 230-1000 J/m ²
Measuring accuracy	+ - 3%
Units:	Ft-lb/in ² ; J/m ² ; kg force/in ²

CONNECTIONS

Power supply:	100-240V/50-60Hz
Power consumption:	<20W
Water:	no
Compressed air:	4-6 bar Connector for hose 6mm

DATA

RS232:	Data output
Ethernet:	Data o./ MQTT
USB:	Updates / service



S405301005 Internal Bond Sample Preparation Station

Article No. S40530

DIMENSIONS

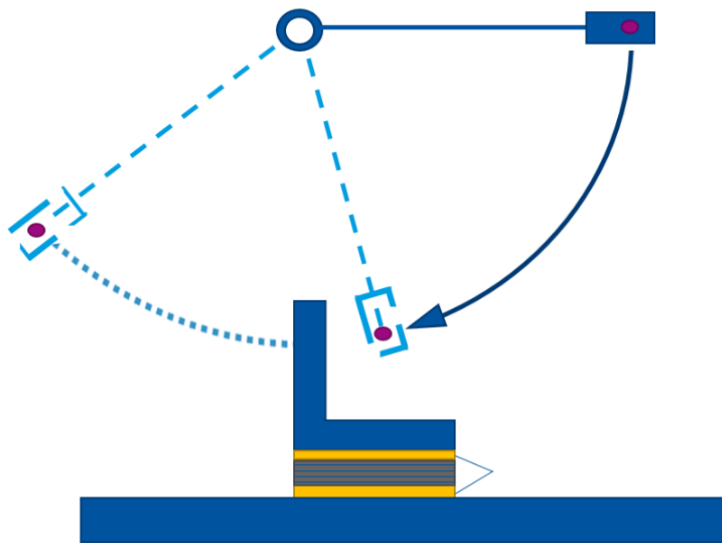
S405300000	L x H x W net 230 x 530 x 520 mm
Weight:	net 28kg

ARTICLE / MODELS

S40530000	Internal Bond Tester
mandatory	1 pendulum
S405301012	low range I pendulum 100- 600 J/m ²
S405301013	high range II pendulum 200-1200 J/m ²
S405301014	high range III pendulum 300-2400 J/m ²

Recommended accessories:

S405301005	IBT Sample Preparation Station
S405301009	Spare Angles 5pcs
S405301019	Sample support L83mm (5 pcs) type FRANK
S405301015	Double-sided adhesive tape 410M 25mm (standard)
S405301017	Double-sided adhesive tape 25mm (high adhesion)
S406900001	ProbeNet software with one device license



Internal Bond Test - schematic



IBT with catchment area for the samples



Test screen during measurement



Statistics overview