

Burst Tester Paper & Cardboard

Product code [RL-BT-A](#)

RYCOLAB



Usage

The Rycobel Burst tester is designed for measuring the bursting strength of paper, paperboard and corrugated according to the Mullen method.

Device description

The burst tester comes with an integrated touch screen, which allows an intuitive operation. The device is built in a sturdy aluminium frame and is equipped with 1 measuring head for bottom measurement of the bursting strength. The measuring range is up to 5 000 kPa for paper and up to 8 000 kPa for cardboard with an accuracy of $\pm 1\%$ of the displayed value. Clamping force for the sample holder is adjustable from 1 000 N to 7 500 N. Maximum sample height is 12 mm. The display of burst value as BEA (Burst Energy Absorption) is possible as well. The automatic test cycle has a break detection and after the break it returns back automatically to its starting position.

Test description

The sample to be tested is placed in the measuring area and by selecting the start button on the touch screen the acrylic glass protection first covers and then the clamping bell lowers and fixes the sample. Glycerin under the membrane is compressed and the membrane is pressed against the sample. After the sample broke, the hydraulic cylinder stops and returns to its starting position. The protection cover and the clamping are opened automatically and the maximum pressure is shown on the display as breaking force. Now the next sample can be tested.

Option

Interchangeable clamping device for switching from board to paper configuration and tests following ISO2758 and ISO2759



Measure



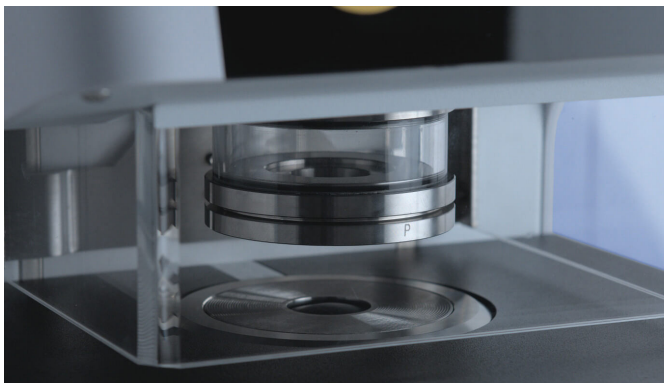
Improve



Service



Touchscreen and separate start button



Measure head

Standards: Paper testing

- ISO 2758
- TAPPI-T403
- TAPPI-T807
- PAPTAC D19P
- SCAN P24
- ...

Standards: Cardboard testing

- ISO 2759
- TAPPI-T807
- TAPPI-T810
- SCAN P25
- PAPTAC D29P
- ...

Specifications

- Top-quality materials and manufacturing
- Pneumatic clamping force adjustable between 1000 N and 7000 N
- Safety covers lowers before the clamping bell can lower
- Configurable pumping rate: 170 ± 5 ml/min for cardboard and 96 ± 6 ml/min for paper.
- Measuring range up to 5000kPa with accuracy of $<1\%$ of the displayed value (8000kPa optional)
- Touch screen operation and display of breaking force, values, graphs, statistic values
- Top and bottom values can be stored separately in the memory, ratio can be calculated
- RS232/USB port for data transfer
- Windows based software
- USB printer output
- Different languages are selectable (English, French, German, Spain, Russian,..etc)
- Setting of different breaking levels (as example: 20%, 15% or 10% of the max. force)
- Graph of Force / Time can be shown on the display
- Easy to use touch screen display

Dimensions

	Net	Gross
Width [mm]	360	840
Depth [mm]	600	600
Height [mm]	530	790
Weight [kg]	70	120

Connections

Electricity: 110-230 V, 50-60 Hz AC

Air: 600 kPa