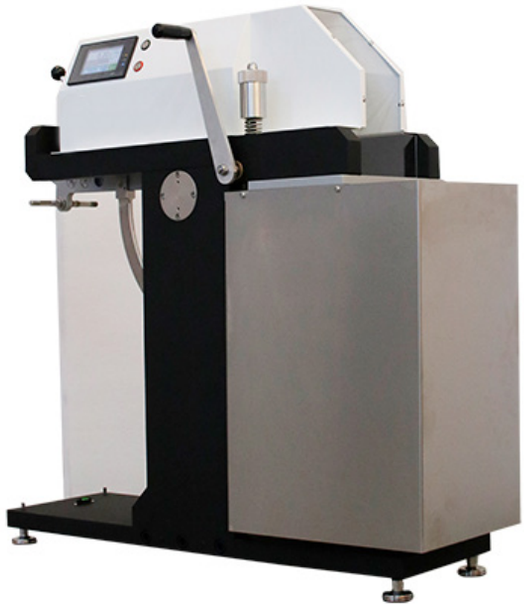
Puncture Tester

Product code RL-PT-A

RYCOLAB



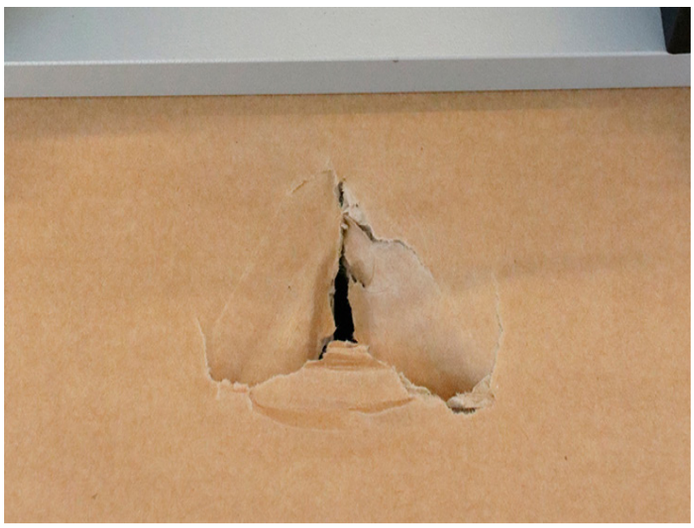
For measuring the required energy to puncture corrugated board and cardboard.

Applicable standards

ISO 3036, TAPPI T803, DIN 53 142, FEFCO N°5, SCAN P23, ASTM D781

Test description

It is used to determine the energy absorbed or resistance to the perforation of corrugated cardboard used for packaging. Robust equipment that measures energy by launching a pendulum with a contact pyramid. Simulates the resistance of cardboard to strong impacts, such as forklifts or trucks. Different scales up to 48 joules (larger scales on request). Equipment with touch screen and complete statistics. It can be connected via RS-232 and USB output to a PC or printer.



Connections:

- Electric: 220/110 V, 50/60 Hz

Weight and dimensions

1050 x 500 x 1220mm (W x L x H) - 250 kg
1380 x 810 x 1400mm (W x L x H) - 350 kg

Characteristics

- Steel frame design to avoid loss of energy produced by any vibrations during test.
- Pendulum with arm in a circular angle of 90°.
- Puncture head in triangular pyramid shape (under specifcations of international standards).
- Collar with soft adjustment to the puncture head basis.
- Exchangeable load weights : A, B, C and D to select the work range.
- Pendulum releasing mechanism with security system.
- Security protection covers.
- Self-tightening grips with adjustable closing pressure to clamp the sample.Microprocessor controlled.
- Control panel with 4 buttons and an alphanumerical display of liquid crystal glass.
- Easy and intuitive operation of the control menu.
- Statistical control. Mean value, standard deviation.
- RS-232 for PC and USB connection to printer
- 4 work ranges (Joules) :
  - » - 0 – 6 J with resolution of 0,025 J.
  - » - 0 – 12 J with resolution of 0,050 J.
  - » - 0 – 24 J with resolution of 0,100 J.
  - » - 0 – 48 J with resolution of 0,200 J.
- Software control (optional)