

Elmendorf Tear Tester

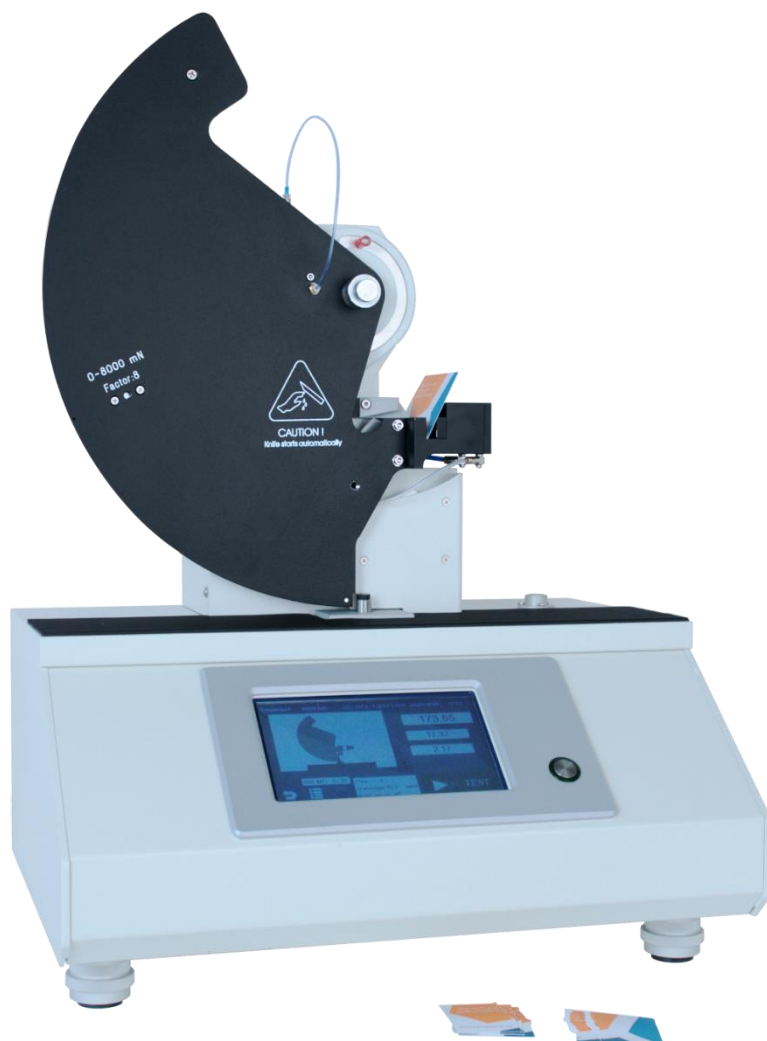
Code: E.208.xxx

Usage

To measure the tearing resistance of paper and similar materials.

Applicable standards

- ISO 1974
- DIN 53128
- EN 21974
- SCAN P11
- TAPPI T414
- BS 4468
- ASTM D1922
- etc.





Pendulum



User-friendly touchscreen operation

Device description

The Elmendorf tear tester is especially developed for the paper industry. It comes with an easy changeable pendulum. The recognition of the pendulum and test cycle is completely automatic and the touchscreen makes it intuitive and easy to operate. After the test, the pendulum returns automatically to its initial position and opens the clamps for changing the samples.

Process description

The samples (up to 16, acc. to standard 4), which were prepared in the sample punch, are laid on top of each other and placed in the sample holder. On the touch screen display the number of inserted samples has to be selected, then the samples will be allocated to a test series (MD/CD) and by pressing the start button the fully automatic test cycle begins. The samples are automatically clamped and cut, then the pendulum is initiated and tears the sample above the cut. After that, the pendulum is slowed down, returns to its initial position and the destroyed sample is released. The required force results are displayed on the touch display as value and statistics and if more tests were carried out in MD and CD.

Delivery content

- device with standard pendulum 8 000 mN
- 1x verification weight for 8 000 mN
- 1x compensation weight for 16 000 mN
- 1x verification weight for 16 000 mN
- 1x sample template
- user manual
- certificates

Specifications

- changeable pendulum
- pneumatic sample clamping
- intuitive and easy operation via touchscreen
- fully automated test sequence and pendulum return
- control weight for checking the pendulum
- complete statistical functions
- RS-232 output, USB output, ethernet output,
- different languages to choose
- CE certification

Connections

- Electricity: 110 – 230 V, 50/60 Hz AC
- Air: 600 kPa

Models

Code	Description
E.208.008	device with 8 000 mN pendulum and 16 000 mN compensation weight
Additional accessories	
E.208.Z004	extra pendulum 4 000 mN
E.208.Z032	extra pendulum 32 000 mN
E.208.Z064	extra pendulum 64 000 mN