Elmendorf Tear Tester

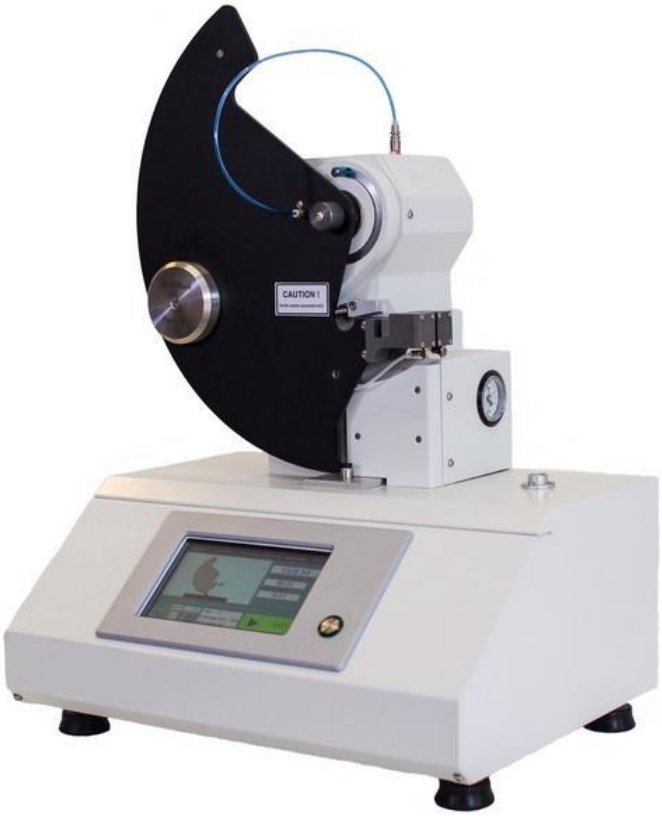
Code: E.208.xxx

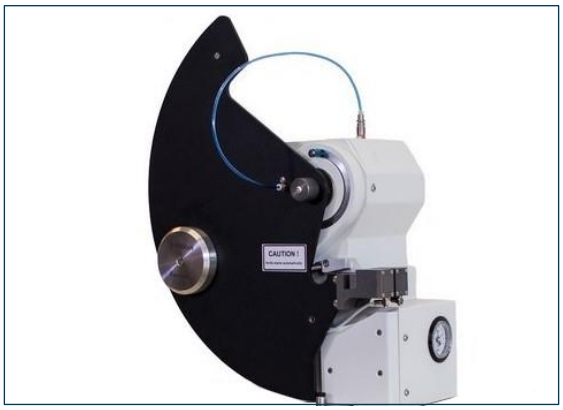
Usage

To measure the tearing resistance of paper and similar materials.

Applicable standards

- ISO 1974
- DIN 53128
- EN 21974
- SCAN P11
- TAPPI T414
- BS 4468





Changeable pendulum

Operated via touchscreen

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 1 pendulum
- 1 check weight
- 1 pendulum-holder
- operating manual
- CE label

Optional

- sample cutter for sample preparation
- extra pendulum

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 and USB printer 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
E.208.016	device with 16 000 mN pendulum
E.208.032	device with 32 000 mN pendulum
Additional pendulums	
E.208.Z008	pendulum 8 000 mN
E.208.Z016	pendulum 16 000 mN
E.208.Z032	pendulum 32 000 mN