StandAlone

Article No. S53984

1

ELMENDORF TEAR TESTER
FULLY AUTOMATED

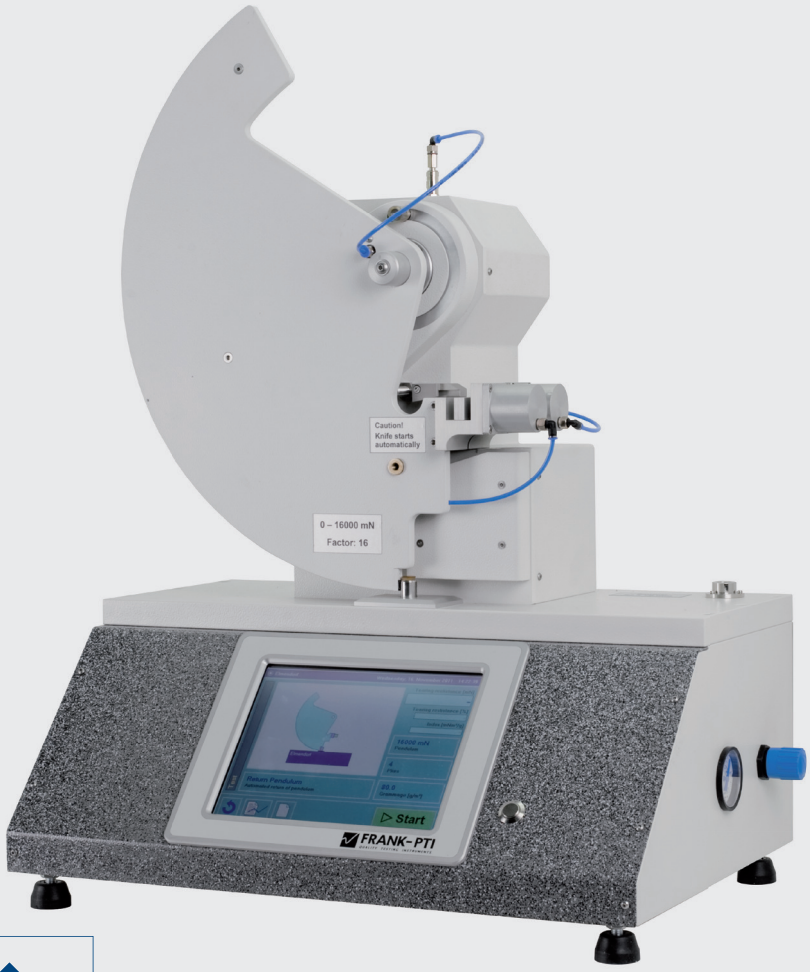
Determines the tearing resistance of various materials.

For:

✓ PAPER

✓ BOARD

✓ TISSUE



Fully-automatic model

Manual model

✓ ProbeNet-capable

MOST IMPORTANT BENEFITS

- ✓ Easy operation via the inbuilt touch screen
- ✓ Pneumatic sample clamping and automatic pendulum return
- ✓ Fully-automated test sequence
- ✓ Changeable pendulum

Produced by

FRANK-PTI
QUALITY TESTING INSTRUMENTS
SUBSIDIARY OF Lorentzen & Wettre

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PRODUCT DESCRIPTION

The Elmendorf tear tester has been developed specially for the paper industry and is outstanding for simplicity of operation and high measurement accuracy. The exchangeable pendulum is equipped with a pneumatic sample clamp. The initiation and return of the pendulum, as well as sample cutting is completely automatic. The device is operated via an integrated touch screen, where the test method can be selected, specific settings can be adjusted, and, after the measurement, results and statistics can be displayed. Each pendulum is supplied with the appropriate control weight so that, with the help of the service program, it can easily be checked for functionality and balance.

TEST DESCRIPTION

Up to 16 samples (acc. to standard 4 samples), prepared with the sample punch, are laid one on top of another and placed in the sample holder. On the touch screen, the number of samples inserted is selected, these are allocated to a test series (MD/CD) and the start button is pressed. The samples are automatically clamped and cut with a blade. Then the pendulum is automatically initiated and tears the sample above the cut. The pendulum is slowed, returned automatically to the start position, and the destroyed samples are released. The force required to tear the sample is displayed on the touch screen. If more than one run is carried out in MD and CD, these can be compared as statistics, and the results displayed.

MODELS

FULLY-AUTOMATIC MODEL

Available pendulums:

4,000 mN; 8,000 mN; 16,000 mN; 32,000 mN; 64,000 mN

MANUAL MODEL

Available pendulums:

2,000 mN; 4,000 mN; 8,000 mN; 16,000 mN; 32,000; mN; 64,000 mN

TECHNICAL DATA

DEVICE/INSTRUMENT

- Changeable pendulum
- Pneumatic sample clamping
- Easy operation via the integrated touch screen
- Fully-automatic test sequence and pendulum return
- Control weight for checking the pendulum
- FRANK-PTI standard-ports *(see page 6)*
- Compatible with ProbeNet *(see pages 78 – 81)*

INSTALLATION REQUIREMENTS

Electrical connection	110 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	4 – 6 bar

APPLICABLE STANDARDS

- DIN EN ISO 6383-2, 13937-1, 1974
- TAPPI T414

etc.

Automated release and break of the pendulum

Inbuilt blade cuts in the samples fully automated