

# Automated Elmendorf Tear Tester



## BENEFITS

- ✓ User Friendly
- ✓ Low Maintenance
- ✓ Accurate and Repeatable Results
- ✓ Compliant to ASTM, ISO and many more!

## PRODUCT DESCRIPTION

The CSI Elmendorf Tear Tester is designed for tearing resistance of paper board, textile, metal sheet materials, non-woven fabrics, paper, thin film, ventilation tape, etc.

All test results and statistics are calculated automatically and displayed on the touch-screen.

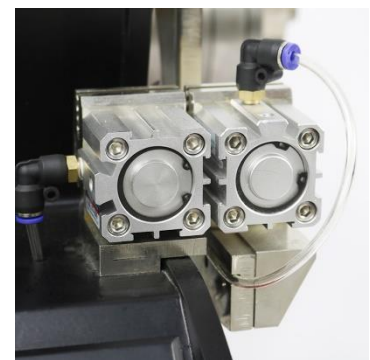
The control panel provides one-touch clamping and test capabilities. Other functions include data entry of sample information. The user is also enabled to perform simple configuration of result units.

## OPERATION

The operation is quick and easy. The sample must be first secured in the clamps, make an initial tear and press the touch screen display to release the pendulum. The tearing resistance of the material is measured via the transference of the potential energy stored in the raised pendulum to kinetic energy. A portion of this energy is absorbed during the tearing of the sample and is used as a measure of the resistance of the material to a continuing tear. The energy required to tear the sample is reported as a percentage of the pendulum capacity or force

### APPLICABLE STANDARDS

- ASTM D1424
- ASTM D5734
- ASTM D689
- ISO 4674-2
- ISO 6383-2
- ISO 1974
- ISO 9290
- ISO 13937-1
- TAPPI T414
- UNI 6444
- EN 21974
- BS 4468



## TECHNICAL DATA

### STANDARD FEATURES:

- ✓ Touchscreen Display
- ✓ Advanced calculation methods ensuring accurate and repeatable results
- ✓ Microcomputer system, for automatic tests, calculation, analysis of result, print test report, upload the test data.
- ✓ Test unit can converted between N, gf, cN and lbs per customer requirement
- ✓ Pneumatic sample grips and pendulum bob release ensure repeatable results
- ✓ Cut sample automatically, ensuring consistent notch shape

### SPECIFICATIONS

Display Type:	LCD, Touchscreen
Force Range:	1600-6400 cN
Accuracy:	±1/0% FS
Rip Length:	43 mm
Cut Length:	20 ± 0.2 mm
Sample Size:	100 x 63 mm
Units:	N, gf, cN, Lbs.
Warranty:	1 Year Manufacturer's Warranty
Technical Support:	Lifetime

### WEIGHTS AND DIMENSIONS

Approx. Physical Dimensions:	20" x 17" x 27"
Approx. Physical Weight:	110 lbs.
Approx. Ship Weight:	175 lbs.
Approx. Ship Dimensions:	27" x 25" x 33"
Electrical Configuration:	115/220 VAC, 50/60 Hz, 1Ph