



## High Energy Elemendorf

**Standards:** [ASTM D1424](#), [DIN 53862](#), [ISO 9290](#),  
[EN ISO 13937-1](#), [ISO 4674-2](#), [M&S P29](#), [NEXT 17](#), [GB/T 3917.1](#)



**ULTIMATE USER-FRIENDLINESS**



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**LIFETIME PRODUCT SUPPORT ADVANTAGE**



## Description

The NG-HE Elemendorf is used to measure the tearing strength of paper, plastic, cloth, film, electrical tape, metal foil and a variety of other materials.

## Elemendorf Features & Benefits

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- Advanced calculation method (potential energy calculation) to ensure accurate testing and repeatability.
- Micro control system, Automatic testing, Result calculations, Analysis of results, Printing of test reports and Uploading test data to your computer
- User friendly touch screen control panel allowing operators to conveniently and quickly operate the tester
- All data and statistical results can be checked in the machine itself or reviewed in the test report after transferring data
- The test unit can be selected as N, gf, cN and cP and can automatically convert between units to meet different industry standards and requirements
- Pneumatic sample clamping and pendulum release ensures consistent clamping forced and provides an easier testing process for the operator



- NG-HE-Elmendorf can automatically cut the samples to ensure that the shape of the cut is consistent
- Included transfer software for analysis of the results on the computer

## Elmendorf Technical Specification

Parameter	Technical Data
Range	0-16N, 32N, 64N, 128N
Measurement Accuracy	$\leq \pm 0.2\%FS$
Unit of Measurement	N, cN, gf, lbf
Clamping Method	pneumatic
Length of the Cut	20mm $\pm$ 0.1mm
Clamp Mouth Distance	2.8mm $\pm$ 0.3mm
Dimensions	20" x 16" x 24.4" / 500x400x620mm
Weight	89 lbs. / 40kg
Power Requirements	AC220V 50Hz 100W

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