

# Digital Elmendorf Tear Tester

This digital Elmendorf tear tester measures the force required to continue a tear in materials. It is used for quality control and research applications on fabrics, paper, film, and other materials.



## Overview

### Precision Tearing Strength Analysis

The Digital Elmendorf Tearing Tester is a high-precision instrument engineered to determine the tear strength of a wide variety of materials, including fabrics, non-wovens, paper, cardboard, and polymer films. Featuring a robust twin-pendulum design with minimum resistance, it ensures maximum accuracy and stability during testing. The system includes a user-friendly touch LCD interface, PC connectivity for data analysis, and an automated reporting feature, making it an essential tool for quality control and material research laboratories.

## Technical Specifications

### Compliance Standards

Standard Organization	Standard ID
ASTM	D1424 / D689
ISO	13937 / 4674 / 1974
British Standard	BS 4468
DIN	EN 21974
GB/T	3917.1
Retailer Standards	NEXT 17 / M&S P29

### Selectable Units

- MN
- CN
- N
- G
- KG
- OZ
- LB

### Material Compatibility

Fabrics, Non-woven, Paper, Cardboard, Polymer Film, Woven Materials

## Features & Design

### Key Features

- Twin pendulum design for stability and precision
- Weight reinforcement baseplate to minimize vibration
- Flexible clamp jaws for effortless sample fixing
- Safety bolt system for pendulum locking
- Hardened cutting blade coating
- Touch LCD control interface

### PC Connectivity

Yes