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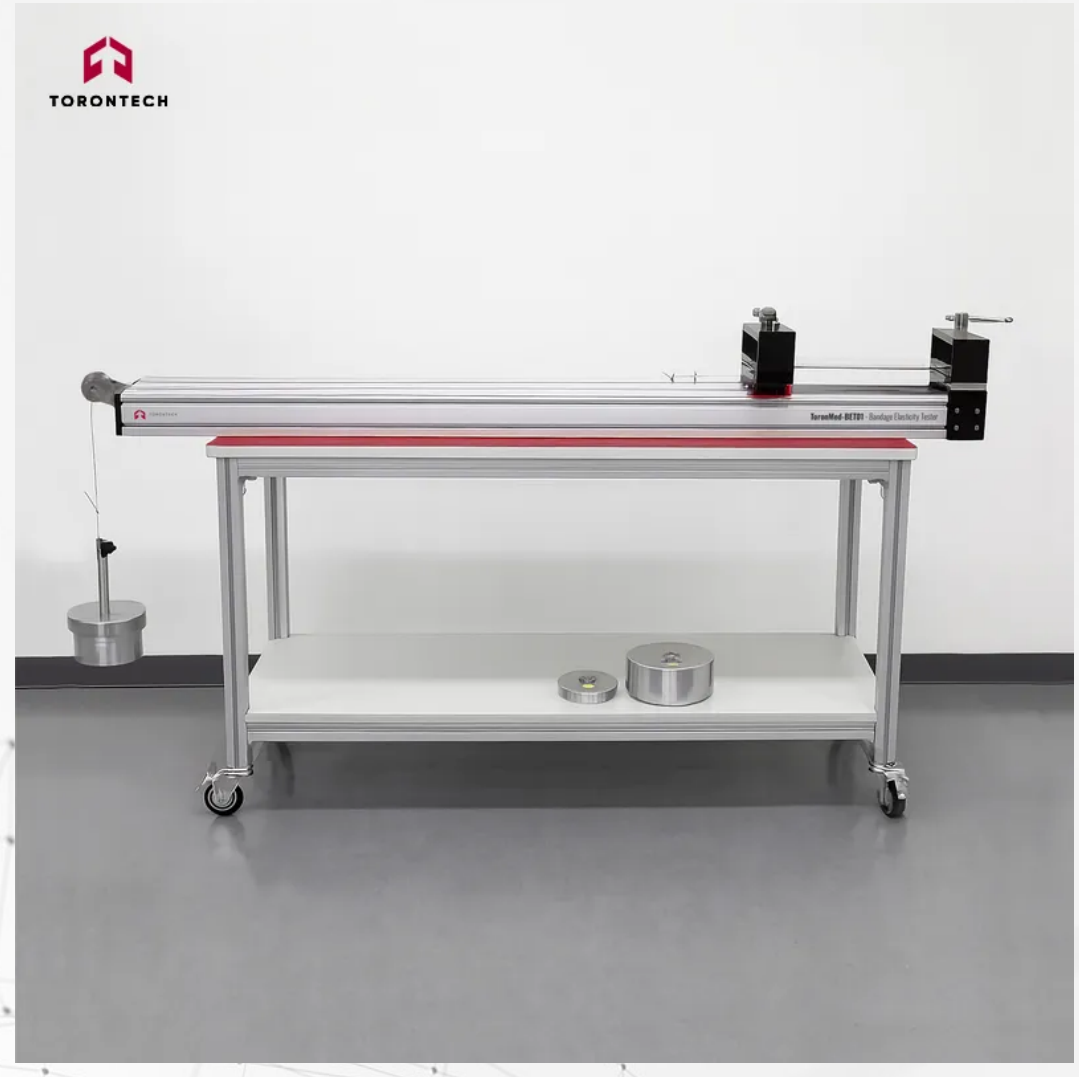

BANDAGE ELASTICITY TESTER

Medical Bandage Elasticity Tester for Measuring Elongation and Recovery Properties

ToronMed-BET01 Bandage Elasticity Tester is a precision instrument designed for evaluating the stretchability, elongation ratio, and recovery characteristics of elastic medical bandages and textile materials. Engineered for medical product manufacturers, QA labs, and R&D facilities, this tester ensures accurate and repeatable results in compliance with global quality expectations.

Ideal for testing medical elastic bandages, adhesive bandages, sports wraps, and elastic fabrics, the ToronMed-BET01 enables standardized performance evaluations to support safety, regulatory compliance, and material consistency.

APPLICATIONS

Applications

Material/Application	Tested Properties
Medical elastic bandages	Stretch length, elongation ratio, regain ratio
Adhesive medical bandages	Elasticity, stretch and recovery
Elastic woven textiles	Mechanical tension and resilience
Fitness/sports bands	Tensile performance, durability
Compression materials	Elongation behavior and recovery capacity

Testing Principle

The ToronMed-BET01 uses a horizontal stretch mechanism with dual clamps and calibrated weights to apply controlled tensile force to the sample. Measurements of stretch length, elongation percentage, and regain ratio are taken under standardized conditions. Stretching can be applied either at a defined rate (200–500 mm/min) or within 5 seconds using suspended weights.

This method helps assess the mechanical and recovery properties of elastic bandages and related materials, supporting product validation and quality assurance.

Bandage Elasticity Tester

Standards & Compliance

While originally designed with reference to standards YY/T0148-2006 and YY/T0507-2009, the ToronMed-BET01 aligns with equivalent international standards for textile and elastic materials testing:

- ISO 13934-1 – Tensile Properties of Fabrics (Strip Method)
- ISO 9073-4 – Tensile Strength of Nonwoven Fabrics
- ASTM D5035 – Breaking Force and Elongation of Textile Fabrics (Strip Method)

These standards provide robust methodologies for characterizing tensile and recovery performance, critical for medical textile safety and certification.

Standard and Optional Configuration

- Standard: Instrument, corrugated clamps, fixed pulley, calibrated weights (75 N, 100 N, 150 N, 200 N)
- Optional: Mobile aluminum workbench

FEATURES

- Compatible with bandage widths up to 20 cm (supports 7.5 cm, 10 cm, 15 cm, and 20 cm)
- Includes four calibrated weights: 75 N, 100 N, 150 N, and 200 N (combinable as needed)
- 304 stainless steel clamps with anti-slip corrugated surface and easy force-lever tightening
- Dual linear guide rail system ensures uniform force distribution and smooth sample extension
- Protective foam pads to prevent floor damage from falling weights
- Optional aluminum mobile platform doubles as a convenient workbench

TECHNICAL SPECIFICATIONS

Specification	Value
Model	ToronMed-BET01
Clamping Width (Fixed & Moving)	80 mm
Max Sample Width	≤ 200 mm
Included Weights	75 N, 100 N, 150 N, 200 N
Dimensions	1605 mm (L) × 280 mm (W) × 258 mm (H)
Net Weight	60 kg

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