

## Single Yarn Strength Tester

The Pacorr Single Yarn Strength Tester is designed to measure the tensile strength and elongation of individual yarns with high accuracy. It helps textile manufacturers assess yarn quality and performance under stress. Ideal for laboratories and quality control, it ensures consistent results and supports improved product reliability and standard compliance.

### Specification

- Load capacity: Up to 20 kg or equivalent ranges depending on model
- Least count: Approx. 1 gram for precise measurement
- Traverse speed: Around 300 mm/min for controlled testing
- Measurement parameters: Breaking strength, elongation, and load at break
- Extension measurement: In mm and percentage of test length
- Clamping system: Upper and lower grips for secure yarn holding
- Display system: Digital or scale-based reading for accurate results
- Power supply: 220V AC, 50 Hz
- Testing principle: Constant rate of extension (CRE) or loading method
- Compatible standards: ISO 2062 / ASTM D2256 for yarn tensile testing
- Suitable for: Cotton, wool, synthetic, and blended yarns



Model: PCSYST-001

### Features

- High accuracy measurement of tensile strength and elongation of yarn
- Constant rate of extension (CRE) mechanism for reliable and repeatable results
- Digital display with real-time data monitoring and peak load indication
- Strong clamping system ensures firm and damage-free yarn holding
- Smooth motorized operation for consistent testing performance
- User-friendly interface for easy operation and quick setup
- Robust construction for durability and long service life
- Safety features like overload protection and automatic stop system
- Suitable for various yarn types including cotton, wool, and synthetics
- Ideal for textile laboratories, research, and quality control applications

### Our Valuable Customer



Pacorr Testing Instruments Pvt. Ltd.