AdLab
Total Testing Solutions

# Plastic FilmTensile Strength Tester
## Model: ADL-PFT03

## Introduction

The ADL-PFT03 Plastic Film Tensile Strength Tester is a basic instrument for testing the physical properties of materials such as tension, pressure (tensile). The vertical and multi-column structure is adopted, and the chuck spacing can be arbitrarily set within a certain range. The stretching stroke is large, the running stability is good, and the test accuracy is high. The tensile testing machine is widely used in fiber, plastic, paper, paper board, film and other non-metallic materials top pressure, soft plastic packaging heat sealing strength, tearing, stretching, various puncture, compression, ampoule breaking force, 180 degrees peel, 90 degrees peel, shear force and other test projects. At the same time, the instrument can measure paper tensile strength, tensile strength, elongation, breaking length, tensile energy absorption, tensile finger number, tensile energy absorption index and other items. This product is suitable for medical, food, pharmaceutical, packaging,

## Product Features

- The design method of the imported instrument clamp is adopted to avoid the detection error caused by the operator because of the operation technical problems.
- Imported customized high sensitivity load element, imported lead screw to ensure accurate displacement
- Can be arbitrarily selected in the speed range of 5-600mm/min, this function can meet the 180° peel, ampoule bottle breaking force, film tension and other samples detection.
- With tensile force, plastic bottle top pressure test, plastic film, paper elongation, breaking force, paper breaking length, tensile energy absorption, tensile index, tensile energy absorption index and other functions.
- Ultra-long travel and large load (500 kg) structure design and flexible sensor selection facilitate the expansion of multiple test projects.

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## Standard

ISO 6383-1、GB/T 16578、ISO 37、GB 8808、GB/T 1040.1-2006、GB/T 1040.2-2006、GB/T 1040.3-2006、GB/T 1040.4-2006、GB/T 1040.5-2008、GB/T 4850- 2002、GB/T 12914-2008、GB/T 17200、GB/T 16578.1-2008、GB/T 7122、GB/T 2790、GB/T 2791、GB/T 2792、GB/T 17590、GB 15811、ASTM E4、ASTM D882、ASTM D1938、ASTM D3330、ASTM F88、ASTM F904、JIS P8113、QB/T 2358、QB/T 1130 、YBB332002-2015 、YBB00172002-2015 、YBB00152002-2015

## Technical Specifications

- **Measuring range:** (5000N) 500kg
- **Force value resolution:** 1/10000
- **Minimum resolution:** 0.001N
- **Accuracy:** 0.3 grade
- **Loading speed:** 5.5~600mm/min (adjustable)
- **Velocity accuracy:** 1 ~ 10 mm/min ±1%, 10 ~ 600 mm/min ±0.5%
- **Sample width:** ≤20mm (can be customized test fixture according to customer materials)
- **Journey:** 1000mm (other stroke optional)
- **Microcomputer control:** 3.5in lattice LCD display, curve waveform diagram display
- **Man-machine interface:** window platform report editing, curve analysis diagram A4 printout (connect computer and printer)
- **Printout:** Built-in modular integrated thermal printer
- **Screw:** Custom Ball Screw (Taiwan)
- **Working environment:** Temperature (20±10) °C, humidity < 85%
- **Overall dimension:** 460mm(L) × 400 mm(W) ×1460mm(H)
- **Net weight:** 70 kg
- **Configuration:** Main machine, cutting fixture, power cord, warranty card, manual, printing paper
- **Grips:** Manual grip with non-slip tape

**Technical Data Subject to change without notice.*

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AdLab is a globally recognized brand specializing in the manufacturing and supply of high-quality laboratory equipment and textile testing instruments. With over 15 years of experience, we are committed to delivering precision-engineered solutions that meet the needs of industries such as textiles, pharmaceuticals, research laboratories, and educational institutions. Our products are designed to enhance efficiency, accuracy, and reliability in scientific and industrial applications.

## Our Skill

At AdLab, we combine expertise in precision engineering with advanced laboratory technology to create innovative and reliable testing instruments. Our team of skilled professionals continuously works on improving product designs, integrating the latest advancements in technology, and ensuring compliance with international quality standards. With a strong focus on research and development, we provide customized solutions that cater to the unique needs of our customers worldwide.

## Our Products

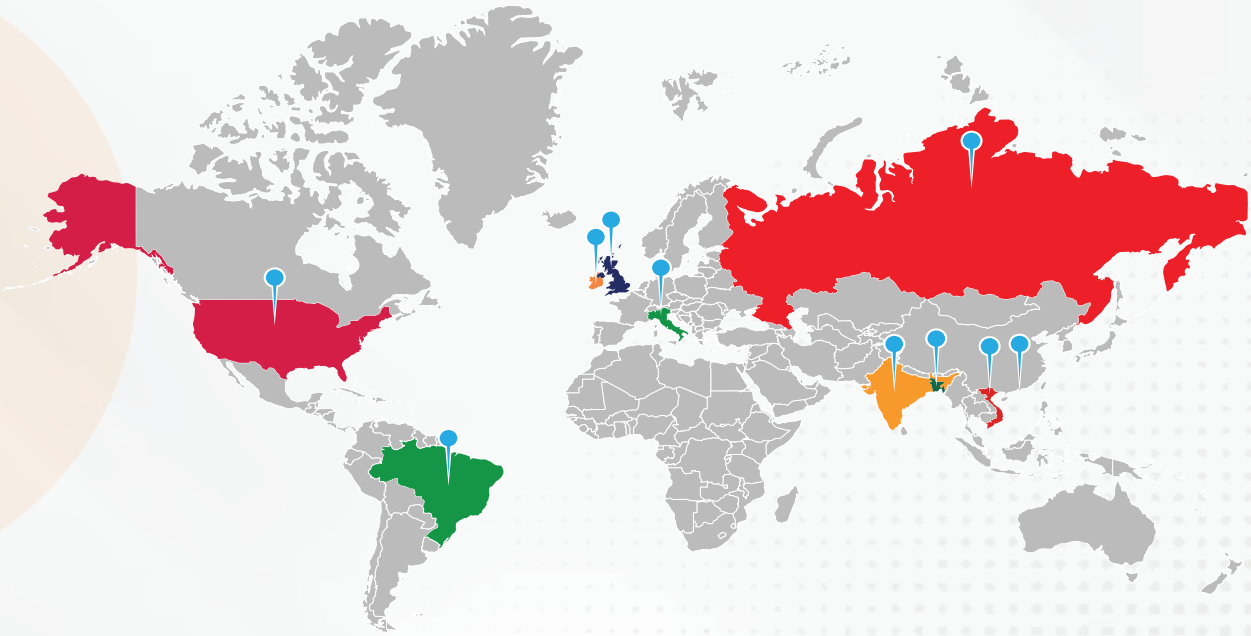
AdLab offers a wide range of high-quality laboratory and textile testing instruments, including Yarn & Fiber Testing Instruments, Laboratory Fume Hood Chambers, Ovens & Incubators, Water Baths, Textile Testing Instruments, Dyeing & Finishing Machines, Ceramic Testing, Tensile Testing, Washers & Dryers, Needle Detectors, and In-House Testing Equipment. Designed for precision and efficiency, our products ensure accurate testing and reliable performance across various industries.

## Our Services

At AdLab, customer satisfaction is our top priority. We provide comprehensive support services to ensure the smooth operation of our equipment, including:

- ✓ 24/7 Technical Support Team – Our highly trained technical support team is available around the clock to assist with troubleshooting, maintenance, and operational guidance. Whether you need immediate assistance or expert advice, we are always ready to help.
- ✓ Installation & Training – We offer professional installation services and hands-on training to help users operate our equipment efficiently.
- ✓ Calibration & Maintenance – Regular calibration and maintenance services ensure that your laboratory instruments remain accurate and in optimal working condition.
- ✓ Customized Solutions – We provide tailored solutions to meet specific industry requirements, helping our clients achieve maximum efficiency in their operations.

## Global Networks



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