



## Vertical Tensile Tester Model: ADL-P500N

It is a new type of instrument researched and developed by our company according to the requirements of the latest national standards. It is mainly used in papermaking, plastic film, chemical fiber, aluminum foil production and other industries and other objects that need to be measured. Intensive production and commodity inspection departments.

### Standards

GB/T 12914 GB/T 2792 GB/T 24218.3 GB/T 1040 ISO1924  
ISO12625 TAPPI T494

### Application Range

- Paper, cardboard
- Aluminum foil, aluminum plastic strip
- Plastic film and other non-metallic materials

### Application Function


- Measure tension resistance, tensile strength
- Measure elongation, crack length, tensile energy absorption, tensile index, tensile energy absorption index
- Measure adhesive tape peel strength

### Product Features

- The transmission mechanism adopts ball screw and 3 guide shafts, and the transmission is stable and precise
- The stepping motor (servo motor) is used for low noise and precise control
- It adopts 10-inch TFT color LCD touch screen and English menu. During the test, the stretching time, the load tension, and the like are displayed in real time; and the tensile curve can be displayed
- ARM processor improve the response speed of the instrument and ensure the real-time performance of the measurement.
- Features automatic reset, data memory, overload protection and fault self-diagnosis
- The thermal printer core eliminates the need for inks and ribbons, noise-free operation, and fast printing speed
- The instrument is equipped with a standard RS232 interface, which can be used with the microcomputer software for communication (optional).



## AdLab Instruments Co., Ltd

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## Vertical Tensile Tester Model: ADL-P500N

### Key Technical Parameters

- Power Supply : AC (100~240)V (50/60)Hz 100W
- Working environment : (10~35)°C, Humidity≤85%
- Measuring Range : (0.15~30)N /(1~300)N /(1-500)N/(3~1000)N
- Resolution : 0.001N(LA30) / 0.01N(LA300) / 0.01N(LA500)/ 0.01N(LA1000)
- Indicating Accuracy : ±0.5%
- Working Capacity : 300mm/1000mm (customized)
- Sampler Width : 15mm (25mm, 50mm optional)
- Tensile Velocity : 1.0~500(Can be adjusted digitally )mm/min
- Print : Built-in thermal printer
- Communication interface : RS232
- Dimension : 490(L)×470(W)×925(H)mm
- Net Weight : 72kg

### Optional accessories (Purchase separately)

- 25mm Clamping head (installation host) - 1 set plastic film, peel strength measurement
- 50mm Clamping head (installation host) - 2 set non-woven fabric measurement
- RS232 interface and computer software - 1 set

*\*Technical Data Subject to change without notice.*

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

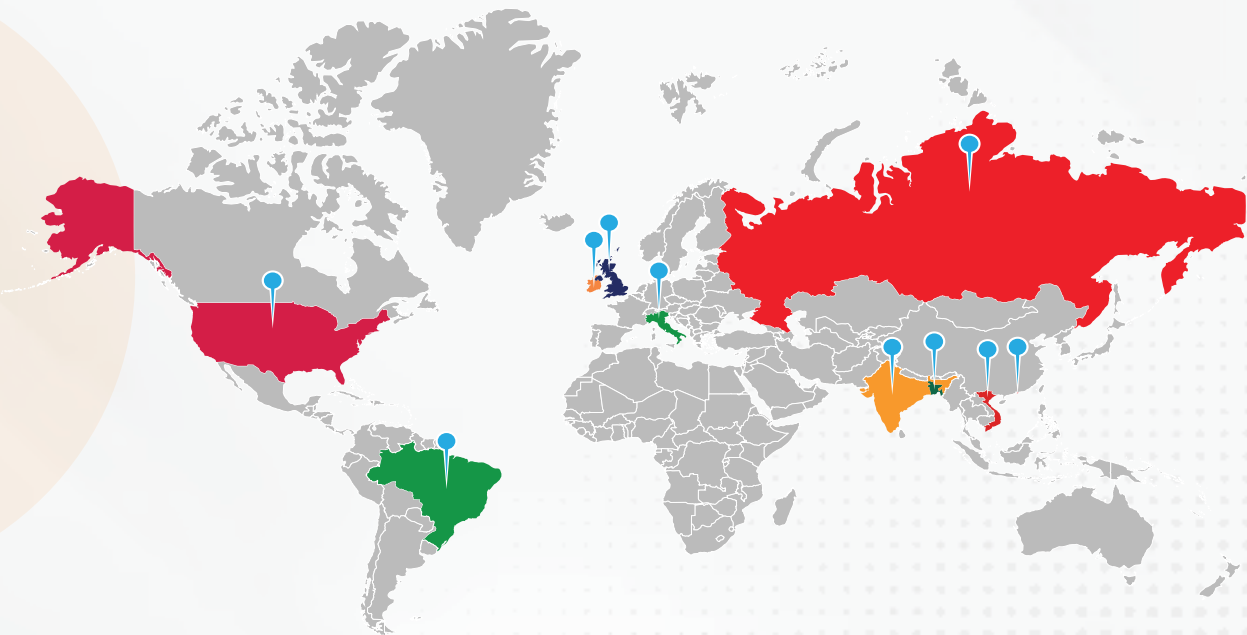
AdLab offers a wide range of high-quality laboratory and textile testing instruments, including Yarn & Fiber Testing Instruments, Laboratory Fume Hood Chambers, Ovens & Incubators, Water Baths, Textile Testing Instruments, Dyeing & Finishing Machines, Ceramic Testing, Tensile Testing, Washers & Dryers, 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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