



Link Testing  
Only for Flexible Packaging

## Automatic Tensile Tester

### XLW-500N



Stretching, peeling, deforming, tearing, heat sealing, bonding of patches, medical devices, release papers, protective films, composite covers, metal foils, separators, backsheet materials, non-woven fabrics, rubber, paper and other products, tensile strength, puncture force, opening force, pull-out force and other performance tests.

#### Product Features

- 5-inch color LCD touch screen, the system has built-in Chinese and English operations, which is convenient for users to control and display real-time data and curves
- The instrument can provide various test methods such as tensile strength, peel strength, sealing strength, paper tensile strength, tear strength, puncture strength, compressive strength, etc., providing users with a variety of test items to choose from
- The test accuracy is better than level 1, which effectively guarantees the accuracy of the test results
- Equipped with various specifications of force sensors, which provides convenience for users to test under different test conditions
- Using screw drive system, no pollution, low noise, high efficiency, can realize stepless speed regulation function, easy to use, more stable operation

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- Intelligent design of limit protection, overload protection and automatic return to ensure safe operation

- The test curve shows the change trend of the force value during the test in real time

- Support historical data for quick viewing and quick printing of test reports

### Testing principle

The sample is clamped between two chucks, and the two chucks move relative to each other. Through the force sensor located on the movable chuck and the built-in displacement sensor of the machine, the force value change and displacement change during the test process are collected. Thereby, the performance indicators such as tensile, tear, and deformation rate of the sample are calculated.

### Reference standard

GB 8808, GB/T 1040.1, GB/T 1040.2, GB/T 1040.3, GB/T 1040.4, GB/T 1040.5, GB/T 4850, GB/T 12914, GB/T 17200, GB/T 16578.1, GB/ T 7122, GB/T 2790, GB/T 2791, GB/T 2792, GB/T 17590, ASTM E4, ASTM D882, ASTM D1938, ASTM D3330, ASTM F88, ASTM F904, JIS P8113, QB/T 2358, QB/T 1130

### Technical Parameters

Item	Parameters
Force range	500 N (standard)
	50N / 100N / 200N (optional) 2000N 5000N customizable
Accuracy	Better than 1%
Resolution	0.01N
Speed	0.5~500 mm/min (adjustable)
Specimen	1
Clamp width	30 mm (standard)
	50 mm (optional)
Clamp type	Manual
Stroke	800 mm (customizable)
Dimension	500mm (L)×420 mm (W)×1550mm (H)
Power	AC 220 V 50 Hz



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N.W.	80kg
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**Standard Configuration**

Host, Microprinter, Clamp

Optional: Computer, professional software, sampling knife, non-standard fixture, standard pressure roller, test board