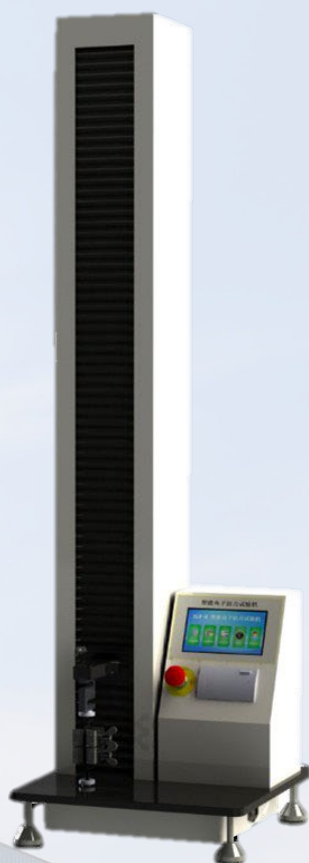


XLM-M Automatic Electronic Tensile Testing Machine



1. introductions

XLW-M intelligent electronic tensile testing machine is a professional electronic tensile testing machine used to test the mechanical properties such as tensile performance of various flexible packaging materials. It is suitable for testing the tensile, peeling, deformation, tearing, heat sealing, bonding, puncture force and other performance of plastic films, adhesives, adhesive tapes, stickers, medical patches, protective films, composite covers, backplate materials, non-woven fabrics, rubber, paper fibers and other products.

2. specifications

No.	Item	Spec.
1	Capacity	500N(standard) (optional 30N,50N,100N,200N,1000N)
2	Accuracy	±0.5%
3	Test speed	0.5-1000mm/min
4	Max. stroke	1000mm
5	Test quantity	1 pc
6	Test specimen width	30mm(standard), 50mm(optional)
7	Grips type	Manual(standard), pneumatic(optional)
8	Voltage	AC 220V 50Hz / AC 120V 60Hz
9	Dimension	450x450x1450mm
10	Weight	70kg

3. test principle

Clamp the sample between the two clamps of the fixture, and the two clamps move relative to each other. By collecting the changes in force values from the force sensor and displacement sensors, various mechanical performance indicators of the sample can be calculated.

4. test standard

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、ASTM E4、ASTM D882、ASTM D1938、ASTM D3330、ASTM F88、ASTM F904、JIS P8113、QB/T 2358、QB/T 1130

5. application

XLW-M has a wide range of applications and is equipped with over 100 different sample fixtures for users to choose from, which can meet the testing requirements of more than 1000 materials; The company provides customized services to meet the testing needs of different users based on their different materials.

Some application examples:

Basic application		Expand applications (need special grips or custom)	
Tension properties	Injection needle holder and needle tube connection	Sealing of blood collection device	Jelly cup and yogurt cup opening force
Tension force	Syringe sliding performance	Tear strength of pants sample	Separation force of release paper
Hot sealing strength	Injection needle penetration force	90 degree peeling force of adhesive tape	Rope breaking force
180 degree peeling test	Compatibility between injection needle holder and sheath	Pulling force of makeup brush bristles	Tilting 23 degree bottle cap pulling force
Tension strength and deformation	Firmness	Tearing force of glued book pages	Compression deformation of foam
Tearing strength	Sealing of syringe body	Pulling force of rubber plug	Tape unwinding force
90 degree peeling test		Protective membrane separation force	Combination cover opening force
Plastic blood bag pressure emptying test		Thin film puncture force	90 degree magnetic card peeling force
Ampoule breaking force		Toothbrush bristle pulling force	Tearing force of oral liquid cap
Puncture force		Floating roller peeling force	

6. features

- The 0.5 level precision force sensor is equipped with an imported high-precision high-speed sampling chip to ensure the accuracy, real-time performance, and repeatability of test results
- The transmission system adopts high-precision lead screws, making the system run more smoothly
- 0.5-1000 mm/min infinitely variable speed, meeting the testing needs of users under different test conditions
- Equipped with advanced displacement control system, the displacement accuracy can reach 0.1mm
- The entire system complies with GMP requirements
- Featuring a wide range of applications and equipped with multiple sample fixtures for users to choose from, it can meet the testing requirements of over 1000 materials
- Intelligent configurations such as limit protection, overload protection, automatic return, and power-off memory effectively ensure the safety of user operations
- Large size high-definition color LCD screen, convenient for users to control and display real-time data and curves
- User multi-level permission management facilitates laboratory management personnel to standardize equipment use
- Software achieves data traceability, including multi-level permission management, audit tracking, electronic signatures, and other functions
- The company provides professional customized services to meet the personalized needs of users in terms of fixtures, software, and other aspects
- Key components are selected from world-renowned imported brands to ensure the accuracy and stability of the system
- The software is compatible with tablets, laptops, industrial computers, and desktop computers, providing users with great convenience in controlling devices

7. packing list

Standard configuration: host, mini printer, professional software, universal fixture

Optional parts: sensors, computers, standard pressure rollers, test boards, sampling knives, floating roller fixtures, non-standard fixture parts

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