

Professional Technologies

- The first grade accuracy effectively ensures by the accuracy of the test results
- A tester integrates seven independent test procedures, including tensile test, peeling test, tearing test and heat sealing test; thus, providing users with a variety of test items
- A variety of force sensors and seven-test-speed provide convenience for users to test under different test conditions
- Microcomputer control, menu interface, PVC operation panel, and large LCD display, which make it convenient for users to operate quickly
- Limit protection, overload protection, automatic return, and power down memory and other intelligent configuration to ensure the safety of users
- The professional control software provides many practical functions, such as statistical analysis of group samples, superposition analysis of test curves, analysis of elastic modulus, setting, printing, viewing, clearing and calibration of test parameters
- It is equipped with RS232 data interface and micro printer interface to facilitate the external connection and data transmission between the system and the computer
- Support Lystem™ Laboratory Data Sharing System with uniform management of test results and reports



Applications

XLW has a wide range of applications, and more than 100 different sample fixtures are configured for users to choose, which can meet the test requirements of more than 1,000 kinds of materials; according to the different materials of users, Labthink also provides customized services to meet the test requirements of different users.

Application Examples are as follows:

Basic Applications	Extended Applications (special accessories or modification required)			
Tensile Strength and Deformation Rate	Simulated skin puncture resistance	Puncture force of film	Puncture force of infusion bag closure	Puncture of soft rubber bottle stopper/Pulling force
Breaking Force	Opening force of combined closure	ZD Tearing force of bottle cap	Tearing force of oral liquid cap	Oral liquid cap puncture/Pulling force
Heat Sealing Strength Performance	90 degree inclined pull out force of infusion bag closure	Pull out force of infusion bag closure	23 degree inclined drawing force of bottle cap	Puncture with bottle cap and rubber plug/Drawing force
Tear Resistance	adhesive tape 90 degree peeling force	Tearing force of binding pages	90 degree peeling force of water-based plaster	Tearing force of adhesives
Shear Properties	Adhesion strength test (soft)	Adhesion strength test (hard)	Stripping force of hose closure	Detachment force of catheter and conduit joint
180 Degree Peeling	Pull out force of makeup brush	Pulling force of toothbrush	Breaking force of rope	Opening force of jelly cup and yogurt cup
90 Degree Peeling	Peeling force of milk cup	Pull out force of rubber plugs	Bottle film 45 degree of peeling force	Opening tension of self sealing bag
	Peeling force of magnetic card core	Magnetic card 90 degree peeling force	Tearing force of heat sealing film	Separation force of protective films
	Separation force of release paper	Tear strength of trousers	Unwinding force of tapes	Pressure resistance of plastic bottles
	20 degree peeling force on inclined plane	135 degree bolt stripping force	Floating roll stripping fixture	Eccentric fixture
	Wide specimen holder	Japanese fixture	British fixture	

Testing Principle

The specimen is clamped between two heads of the fixture, and the two heads make relative movement. Through the force sensor on the moving chuck and the displacement sensor built in the tester, the force and displacement

changes during the test process are collected, and the tensile, tear, deformation rate and other performance indexes of the sample are calculated.

This tester complies with many international and domestic standards: 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 129142008, 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.

Technical Parameters

Items	Parameter
Specifications	500N(standard) 30N 50N 100N 200N (optional)
Accuracy	Grade 1
Test Speed	50 100 150 200 250 300 500 mm/min
Number of Samples	1
Sample Width	30 mm (standard fixture)
	50 mm (optional fixture)
Sample Clamping	Manual
Trip	600 mm
Dimensions	450 mm (L) × 450 mm (W) × 980 mm (H)
Power Supply	220VAC 50Hz / 120VAC 60Hz
Net Weight	65 kg

Product Configuration

Standard Configuration	Mainframe, general fixture, professional software, communication cable
Options	Micro printer, special printing line, standard press roller, test board, sampling knife, floating roller fixture, non-standard fixture

Note: Labthink is committed to the innovation and improvement of product performance and function. For this reason, the product technical specifications will be changed accordingly. The above information is subject to notice, you can log in www.labthink.com to get the latest information. The company reserves the right of modification and final interpretation.