

## TSL-1002 Auto Tensile Tester



### Application

Applies to plastic films, sheets, rubber, laminated films, extrusion films, foils, paper, medical patches, release paper, non-woven fabrics etc testing of various items, such as tensile, break force, elastic modulus, elongation, seal strength, T-style peeling strength, 90 peeling strength, 180 peeling strength, widely used in food & pharmaceutical industries, quality inspection departments as well as research and development institutions.

### Features

1. Professional application in packaging material testing
2. Tensile, elongation, peel, tear, heat seal strength, modulus test, etc
3. Own technology and software copyrights
4. Bilingually controlled by computer and embedded system
5. Highly accurate load cell, bidirectional test
6. High performance servo drive and ball screw
7. Test, return, jog speed can be freely set through software
8. Selectable load cell: 50N, 100N, 250N, 500N, 1000N
9. Silence running, < 25db@1000
10. ISO, ASTM standards test available and non-standard test available

11. Electronic limit, software free setting
12. Overload protection, less power consumption
13. DB9 RS232 communication port
14. Tensilyst workstation support
15. Historical data traceable, system log
16. 5 degrees user management
17. Group test, auto multiple curves display, auto statistic calculation
18. DSM system is optional(Laboratory Management Information System), easy to manage test data

## Technical Indexes

1. Load range: 500N(standard); 50N, 100N, 250N, 750N, 1000N(optional)
2. Accuracy: 0.03%FS max
3. Max effective travel: 960mm
4. Displacement accuracy: 0.01mm
5. Test speed: 0.1mm/min~1000mm/min
6. Return speed: 0.1mm/min~1000mm/min
7. Jog speed: 0.1mm/min~1000mm/min
8. Sample width: 38mm(standard)
9. Sample thickness: 2mm(standard)
10. Power supply: AC 220V 50Hz
11. Power consumption: 320W(max)
12. Dimension: 380mm(L) X 450mm(B) X 1309mm(H)
13. Net weight: 92kg

## Standards

ASTM D882, ASTM D828, ASTM E4, ASTM D1938, ASTM D3330, ASTM F88, ASTM F904, ISO 37, GB1040, GB8808, GB4805, GB7753, GB 7754, GB 453, GB/T17200, GB/T16578, GB/T 7122, GB/T 2790, GB/T 2791, GB/T 2792, JIS P8113, QB/T2358, QB/T 1130

## Configuration

**Standard:** main unit, computer, load cell, Tensilyst workstation, grips, PCIE card, communication cable.

**Optional:** Sampling plate(strip width: 10, 15, 20, 25, 25.4mm), test plate, roller, pneumatic grips, calibration assemblies, DSM system.

**Note: Specifications are subject to change without prior notice.**