

Electronic Tensile Tester GBL-H



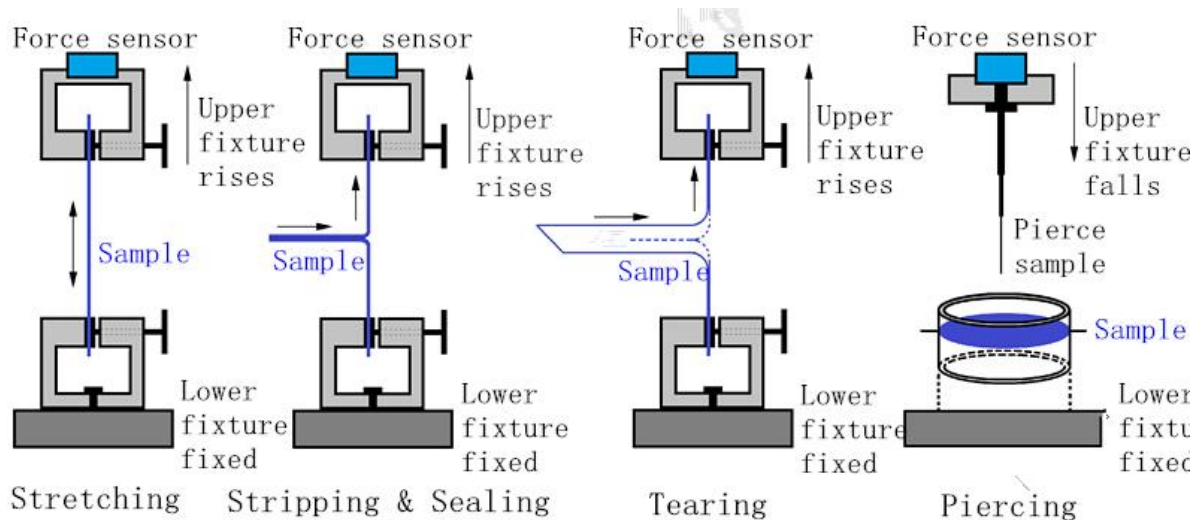
Product introduction

The electronic tensile testing machine GBL-H is a mechanical performance testing machine developed and manufactured by the Guangzhou Biaoji R&D team based on GB, JIS, ASTM and other standard requirements and market demand. The instrument uses high-precision sensors, with force measurement accuracy within $\pm 1\%$ FS; professional software support, fully automatic operation, equipped with an LCD screen, real-time display of test curve data and queryable test reports, making testing convenient and fast; the control measurement unit can Choose built-in or external type, with complete safety protection functions such as limit protection, overload protection, and emergency stop.

It is suitable for stretching, peeling, heat sealing, tearing, etc. of various plastic films, paper-aluminum-plastic composite films, various soft elastic materials, rubber sheets, adhesive tapes, adhesives, paper, non-woven fabrics and other packaging materials. Puncture and other mechanical property tests comply with the testing technology requirements of the national technical supervision department and are widely used in quality inspection, drug inspection, scientific research, packaging, film, food, pharmaceuticals, daily chemicals and other industries.

Test principle

Fix the processed sample between the two chucks of the fixture, start the instrument to make the two chucks move relative to each other, and the force sensor located on the movable chuck collects the force value changes during the test, and the displacement sensor built into the machine The displacement changes are collected to calculate the tensile, peeling, heat sealing, tearing, puncture and other performance indicators of the sample.



Tensile test principle diagram

Standards

ASTM D828, ASTM E4, ASTM D882, ASTM D1938, ASTM D3330, ASTM F904, JIS P8113, QB/T 2358, GB 8808, GB 13022, GB/T 1040, GB 4850, vGB/T 7753, GB/T 7754, GB/T 453, GB/T 17200, GB/T 16578.1, QB/T 1130, GB/T 2791, GB/T 2790, GB/T 2792, GB/T 7122, GB/T 10004, GB/T 17590, JJG 139, GB/T 6344, GB 10808, YBB 00112003, YBB 00102003, YBB 00132002, YBB 00202004

Specification

Item	Technical Parameters
Force measuring range	0~300 N (0~500 N optional), 1250% elongation
Force measurement accuracy	Indication value is within $\pm 1\%$ FS (Level 1)
Test speed	1-500 mm/min
Displacement accuracy	Indication value is within $\pm 1\%$
Effective test width	30 mm (50 mm can be customized)
Effective test itinerary	750 mm (1000mm customized)
Size	L×W×H: 475 mm×460 mm×1430 mm
Weight	76.5 kg

Power supply	AC 220 V, 50 Hz
Power	300 W

Features

Beautiful and convenient body design

The table-type column structure is beautiful and exquisite, and the seat operation is easy and natural.

Flexible and efficient testing methods

It can perform tensile, peeling, heat sealing, tearing, puncture and other tests; multi-parameter variable settings of width, speed, thickness and clamping distance; high sampling rate (50 times/second), the test data is accurate and reliable.

Safe and high-end mechanical structure

Three-level safety protection; equipped with emergency stop switch, safety is guaranteed; imported core components are used, with high precision and long service life; LCD screen displays test data and working status.

Intelligent operating system

It can realize user management, authority management and audit tracking, and meets the requirements of GMP Appendix "Computerized System".






The test process parameters can be set flexibly to meet the requirements of non-standard tests and scientific research tests.

It can be tested independently without the computer, the data is automatically processed, and the built-in micro printer can print data in real time. The instrument is equipped with a computer interface and can also be connected to a computer for online testing.

Laboratory intelligent IoT platform

Supports access to the laboratory intelligent IoT platform, which can realize functions such as managing experimental data, remote diagnosis and troubleshooting.

Application

	<p>Plastic film</p>	<p>It is suitable for tensile, peeling, heat sealing, tearing, puncturing, compression, bending and other performance tests of plastic films, composite materials, flexible packaging materials, tapes and other products.</p>
	<p>Composite film bag</p>	<p>It is suitable for tensile, peeling, heat sealing, tearing, puncture, compression, bending and other performance tests of composite films, co-extruded films, composite bags, retort bags, aluminum-plastic composite bags and other products.</p>
	<p>Paper</p>	<p>It is suitable for tensile strength, peeling, deformation, tearing, heat sealing, bonding and other performance tests of paper, kraft paper, facial tissue, toilet paper and other products.</p>
	<p>Medical Patches</p>	<p>It is suitable for tensile strength, peeling, deformation, tearing, heat sealing, bonding and other performance tests of medical cold compress, plaster and other products.</p>
	<p>Pressure Sensitive Tapes</p>	<p>It is suitable for tensile strength, peeling, deformation, tearing, heat sealing, bonding and other performance tests of cellophane tape, electrical insulating tape, medical zinc oxide adhesive tape and other products.</p>

Configuration

Standard configuration	Power cord, data cable, stretching clamp, puncture clamp, software disk, sampling plate, inner hexagon, right-angle tearing knife, Phillips screwdriver
Optional parts	Computer (Windows system), pneumatic clamp, measurement certificate
Prepared by user	Power supply, 3-hole socket, ground wire, computer (Windows system)

Note: Guangzhou Biaoji has always been committed to the innovation and improvement of product performance and function. For this reason, product technical specifications and appearance will also be changed accordingly. The above situation will not be notified. The company reserves the right of modification and final interpretation.

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