

Electronic Tensile Tester GBS



Product introduction

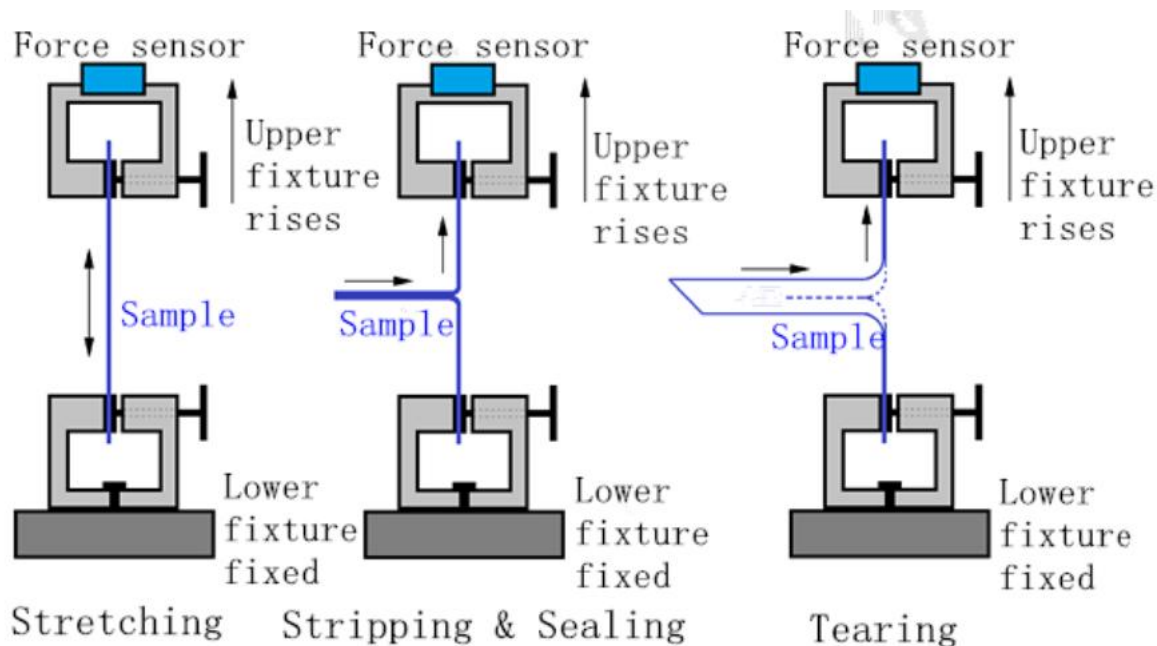
The single-column electronic tensile machine GBS is a mechanical performance testing machine developed and manufactured by GBPI R&D team based on the requirements of GB, ASTM and other standards and market demand. The instrument uses high-precision sensors, which have the characteristics of high force measurement accuracy, stable loading, and long service life of the testing machine. The LCD display is equipped with professional software to display test curve data and queryable test reports in real time, making testing convenient and fast; it operates fully automatically, controls the measurement unit, and has complete safety protection functions such as limit protection, overload protection, and emergency stop.

It is suitable for mechanical property testing such as stretching, peeling, heat sealing and other packaging materials of various plastic films, paper-aluminum-plastic composite films, various soft elastic materials, rubber sheets, adhesive tapes, adhesives, paper, non-woven fabrics, etc. , in line with the requirements of the national technical supervision department for testing technology, and 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 and other performance indicators of the sample.





Tensile test principle diagram

Standards

GB 8808, GB 13022, GB/T 1040, GB 4850, GB/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, ASTM D828, ASTM E4, ASTM D882, ASTM D1938, ASTM D3330, ASTM F904, JIS P8113, QB/T 2358

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: 600 mm×500 mm×1300 mm
Weight	76.5 kg
Power supply	AC 220 V, 50 Hz
Power	300 W

Features

Beautiful and convenient body design

Desktop column structure, beautiful and exquisite, easy and natural operation from sitting position; built-in thermal printer, can print test reports.



Flexible and efficient testing methods

It can perform tensile, peeling, heat sealing, tearing 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.

Application

	Plastic film	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.
	Composite film bag	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.
	Paper	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.
	Medical Patches	It is suitable for tensile strength, peeling, deformation, tearing, heat sealing, bonding and other performance tests of medical cold compress, plaster and other products.
	Pressure Sensitive Tapes	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.

Configuration

Standard configuration	Host, stretching fixture, power cord, stepper motor, synchronous belt structure, packaging stretch function, tension sensor
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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.





Service Commitment

- ◆ Free packaging inspection technical support.
- ◆ One-year warranty for instrument, free software upgrade service, and lifetime free technical support.
- ◆ Free to the factory to train the operation of the instrument, qualified people issued graduation certificates, free accommodation and food.
- ◆ Instrument “trade-in” policy and provision of backup instruments in case of failure.
- ◆ There is a testing center (CNAS L8185) to provide incoming sample testing and sample data comparison services.
- ◆ Set up a Reference Standards Development Center to provide calibration services.

Company Introduction

Guangzhou Biaoji Packaging Equipment Co., Ltd. was established in 2002 and located in Guangzhou Economic Development Zone. It is a company integrating R&D, production and sales of packaging testing instruments, packaging equipment, modified atmosphere preservation equipment and other products, as well as providing third-party testing and standard material proficiency testing. It is committed to providing comprehensive, professional and high-quality products and technical services for packaging, food, medicine, testing and other industries.

Write industry standards with quality, and become the leader and leader in the field of global packaging testing. The 80,000-mile journey is sailing, and Guangzhou Biaoji will escort you!



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