

# GBG-L2 Pendulum Impact Tester

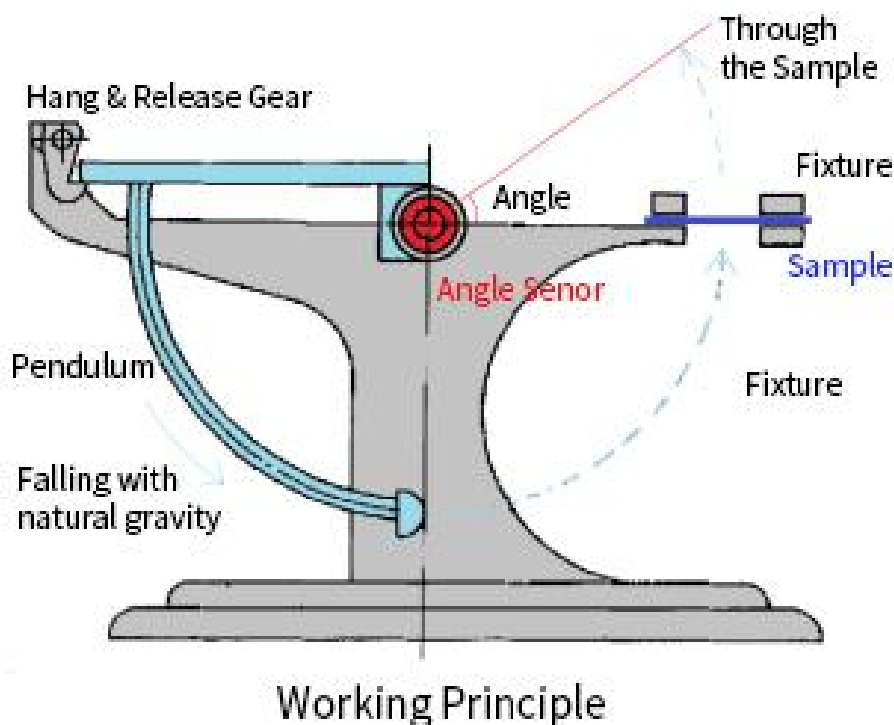


## Product introduction

Designed and manufactured according to standards like ASTM D3420, GB/T 8809, GBG-L2 Pendulum Impact Tester is suitable for determining pendulum impact resistance of the film materials, composite film, metallic foil and so on. The machine can be used in scientific research, teaching, industrial and mining enterprises, laboratory, research institute and quality supervision department.

## Test principle

Through the impact head of semi globe shape, the instrument impacts and breaks through the sample with certain ram speed so as to measure the consumptive energy of the impact head, and use the energy to estimate the energy value of pendulum impact resistance of the film sample.



Working principle diagram

## Standards

ASTM D3420, GB/T 21189, GB/T 8809

## Specification

Item	Technical Parameters
Maximum impact energy	5 J (8J optional)
Test precision	0.001 J
Pendulum angle	90°
Pendulum swing radius	285 mm
Size of impact head	Φ19 mm, Φ25.4 mm
Size of clips	Φ60 mm, Φ89 mm
Size of test sample	100 mm×100 mm
Instrument size	773 mm×378 mm×606 mm
Power	75 W
Power supply	AC 220 V, 50 Hz

## Features



- ◆ Electronic measurement, test accuracy up to 0.001 J, strictly ensure the accuracy of experimental results.
- ◆ The host machine is equipped with color touch screen, which is convenient for users to conduct test operation and view data;
- ◆ The sample is pneumatically clamped, the pendulum is pneumatically released, and equipped with a horizontal adjustment auxiliary system to effectively avoid human error;
- ◆ The range is adjustable, and electronic measurement enables easy and accurate testing under various test conditions;
- ◆ The system automatically statistics the test data and presents the test results to the user



visually;

- ◆ Automatic operation, one key test, simple and convenient operation;
- ◆ With report editing function, according to the actual situation to edit the content of the experimental report.
- ◆

## Application

	Film	It is suitable for testing the resistance of plastic film, thin film and composite film to pendulum impact. Such as food and drug packaging bags with PE/PP composite film, aluminum plating film, aluminum plastic composite film, nylon film, etc
	Paper, sheet testing	It is suitable for testing the impact resistance of paper and paperboard, such as aluminized paper for cigarette packaging and aluminum-plastic paper composite material for Tetra Pak packaging.

## Configuration

Standard configuration	Main machine, air pipe, reducer through joint gray, sample holder, impact head, screw knife, hex socket wrench
Remarks	Air source supplied by user

Note: GBPI 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. GBPI 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 GBPI will escort you!



Address: No. 3, Linjiang Road, Huangpu District, Guangzhou, Guangdong Province, China

Tel: 020-8615 3789, 8615 3790

After-sales hotline: 4007886855

Website: [www.gbpitester.com](http://www.gbpitester.com)

Email: [info@gbptest.cn](mailto:info@gbptest.cn)



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