

Falling Ball Impact Tester GQ-D1



Introduction

GQ-D1 Falling ball impact tester is mainly used for testing the impact strength of food packaging hard sheets, solid pharmaceutical hard sheets and plastic bottle caps. Traditional electromagnets will generate high temperatures when generating magnetism, and there will be residual magnetism after power failure, which will affect the accuracy of the experiment. This instrument adopts the principle of power repulsion, which can automatically release residual magnetism and avoid high temperatures to ensure the accuracy of the experiment.

Test principle

Place the test product on the test table of the drop ball impact tester, and make a steel ball of specified weight fall freely on the product from a specified height to impact the product, and then check whether the product appearance is damaged and its performance in all aspects.

Standard

GB/T 15267, GB/T 17876, YBB 0021-2005, YBB 00202005



Specification

Item	Parameter
Impact height	0~900 mm
Steel ball diameter	23 mm (approximately 50 g), 25 mm (approximately 60 g), 28.6 mm (approximately 100 g), 38.1 mm (approximately 225 g)
Specimen size	150 mm (length) × 50 mm (width)
Dimensions	325 mm×550 mm×1341 mm
Power	75 W
Weight	30kg
Power supply	AC 220 V, 50 Hz

Features




- ◆ The main unit is equipped with a color touch screen, which is convenient for users to operate the test.
- ◆ The novel mechanical shape and user-friendly operation interface make the instrument easy and convenient to operate;
- ◆ The instrument adopts the principle of electrified repulsion to avoid residual magnetism and high temperature, ensuring the accuracy of the experiment;
- ◆ The test process is intelligent, which greatly improves the work efficiency;
- ◆ The sample is pneumatically clamped and released, which reduces errors and



test time;

- ◆ The built-in printer can print test reports;
- ◆ The instrument can query data and query the results of each experimental data;
- ◆ The test results are accurate.

Application

	Hard sheets for food packaging	It can be used for anti-drop ball impact test of polyvinyl chloride rigid sheets used for food packaging, and is suitable for food and packaging companies to conduct quality control testing on product packaging.
	Solid hard sheets for medicine	It can be used to test the anti-falling ball impact performance of solid pharmaceutical hard tablets, and is suitable for pharmaceutical companies and pharmaceutical packaging companies to conduct quality control testing on product packaging.
	Plastic bottle cap products	It can be used to test the impact resistance of plastic anti-theft bottle caps and is suitable for food, medicine and packaging companies to conduct quality control testing on product packaging.



Factory configuration

Standard configuration	Host, power cord, steel ball, cross screwdriver, hexagonal wrench, PU air pipe, reducing straight connector, gray, thermal printing paper
Optional	Measurement certificate
Notes	Power supply, 3-hole socket, grounding wire

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. 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 reference 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!



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