KASON-GIT01 Mechanical Impact Tester for Glass Bottles

Application

This impact tester is used to perform **mechanical impact resistance tests** on various glass bottles including beer bottles, wine bottles, beverage bottles, infusion bottles and other glass containers.

It is designed and manufactured in accordance with:

GB/T 6552-2015 Glass containers – Method of test for resistance to mechanical shock

YBB 00382004-2015 Mechanical impact resistance test method

It is an essential testing instrument for quality inspection institutions, breweries and glass bottle manufacturers.

Testing Principle

Based on the principle of energy conversion, the impact energy applied to the glass bottle is determined by the potential energy of the pendulum. At a fixed pendulum angle, the potential energy and impact energy are constant.

1. Pass/Fail Test

Place the sample on the support table against the rear support.Adjust the support vertically to set the target impact position, then adjust horizontally so the pendulum touches the

sample surface lightly at rest.Impact three points approximately 120° apart around the bottle at the specified energy, and check for breakage.

2. Progressive Test

After the pass/fail test, impact the same three points at the specified energy, then increase the impact energy step by step until the bottle breaks.

Technical Parameters

Sample diameter range: φ20 ~ 130 mm
Sample height position: 20 ~ 180 mm
Impact energy: 0 ~ 2.9 N·m
Dimensions: 500 mm × 350 mm × 700 mm (L×W×H)
Net weight: 28 Kg
Standards: YBB 00382004-2015; GB/T 6552-2015

FOCUS IN MATERIAL TEST

KASONTEST®

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