



Realistic Simulation Drop Test Machines , Versatile Accidental Drop Testing Equipment

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: MIL-STD-810G 516.6 ; ASTM D5276 ; GB/T 2423.8
- Model Number: YX-DL-B-1800
- Minimum Order Quantity: 1 PCS
- Price: usd+20000-50000+pcs
- Packaging Details: wooden box package
- Delivery Time: 30-45 Days
- Payment Terms: T/T
- Supply Ability: 100+pcs+30



Product Specification

- Type: Drop Tester Equipment
- Test Function: Drop Test
- Experimental Scenarios: Accidental Drop
- Outer Size: Approx W 1700×D 1400×H 2100 (mm)
- Control Box Dimension: Approx W 350×D 350×H 1100 (mm)
- Name: Phone Drop Tester , Carton Packaging Drop Test
- Highlight: **Simulation Drop Test Machines , Versatile Drop Testing Machine , Accidental Drop Testing Equipment**



Product Description

Realistic Simulation Drop Test Machine, Versatile Drop Testing Equipment

Test principle:

According to the test height of the sample to be tested, adjust the height-related parameters through the control device, and then make it fall freely according to the predetermined state and collide with the impact table. It is used to simulate the drop, etc. that the product may experience during handling.

Technical data:

Item	Specification
Drop height	300-1800mm
Drop panel area	1700×1400mm
Maximum size of test piece	1200×700×1000mm
Maximum weight of specimen	60kg
Arm size	290×240×8mm
Drop height error	±10mm
Drop plane error	1°
Equipment net weight	Approx 450kg
power supply	220V/50Hz
power	1kw

Machine structure:

The Drop Test Machine is a precision instrument designed for simulating the harsh conditions products may encounter during shipping, handling, and accidental drops. This precision instrument enables comprehensive testing of a wide range of products, from consumer electronics to industrial components, by precisely controlling the height, angle, and speed of the drop. With its durability, efficiency, and ease of maintenance, the Drop Test Machine is an indispensable tool for manufacturers striving for product excellence.

The single-wing drop test machine can perform free drop test on the surface, corner and edge of the package.

This machine adopts a single-arm structure, with electric reset, electric control drop and electric lifting device.

The hydraulic buffer device greatly improves the service life, stability and safety of the machine.

Single-arm setting, convenient for placing products.

The angle error between the impact surface and the bottom plane of the drop angle is less than or equal to 5°.

Controller: 7-inch touch screen + PLC, can be Switch between Chinese and English⁴.

Application:

Drop test equipment is widely employed in various industries to evaluate the durability and resilience of products under impact conditions. It simulates accidental drops during transportation, handling, or usage, ensuring products like smartphones, laptops, packaging materials, and industrial equipment can withstand such stresses without damage. This critical testing aids in product design refinement, quality assurance, and compliance with safety standards.

Installation requirements:

Power supply:220V/50HZ, 1kw please check whether it is compatible.

Site space:≥W800×D800×1200mm

Install in a dry place with less dust.

Place on flat ground.

Remark:

1 The pictures in this document are for customer reference only, and there may be color differences between the actual model and the pictures.

2 This document only lists some test standards, which does not mean that other test requirements and standards cannot be conducted. Welcome to communicate and discuss with us.

3 Our company has other types of testing machines that can be supplied, and users are welcome to consult.

4 At present, only Chinese and English interfaces are supported; if other languages are introduced, the software can be updated remotely.

Tags: Drop test machine single arm , Laptop drop test machine , Mobile phone drop test machine

