
Servo Motor Micro Drop Tester

Model: IN-DT3030

🍊 Purpose:

High precision servo motor micro drop test machine is suitable for mobile phones, tablets, e-books, electronic dictionaries, interphones, MP3, CD, electronic dictionaries, chargers and other small electronic consumer products to do repeated drop tests. It is aimed at stimulating the situations that the product is slightly fallen on a table or other horizontal places when used, to test the durability of product's shell and ability to resist slight drop of its internal structure.

🍊 Operating principle:

Servo motor drives the upper clamp (clamping cylinder) to descend and clamp the specimen -- rises to set height -- clamping cylinder opens -- the specimen completes free fall motion -- at this time, positioning cylinder pushes the specimen to the position where specimen can be clamped by clamping cylinder -- Servo motor drives the upper clamp (clamping cylinder) to descend and clamp the specimen -- rises to set height -- clamping cylinder opens -- the specimen completes free fall motion, and repeating this process, till reaching set times.

🍊 Specialties:

- Japan Panasonic servo motor as lift driver, equip with a precision double-acting cylinder for return action, with reliable quality and durable use.
- It can realize repeated drop of mobile phone, e-book, tablet and other products, to test products' shock resistance of falling from a certain height.
- Japan SMC pneumatic components and dedicated control mode, greatly enhancing test speed and consistency.
- Japan OMRON touch screen and Mitsubishi PLC for action control; with English interface, easy to operate.
- It has manual presetting function, easy to adjust each action component and convenient for positioning.
- It adopts servo motor to adjust height, which is continuously adjustable.
- It meets drop test of product with two large faces and four narrow side.
- Equip with two sets of vacuum sucker fixtures or two sets of side clamping fixtures (optional).
- PMMA production cover are optional.

Specification:

Model	IN-DT3030N
Test station	2 sets
Test Weight	2Kg (max)
Drop Height	60~300mm (or customized)
Test cycle setting	1~999999times
Testing speed	1~20 cycles/min
Air supply	$\geq 0.5\text{MPa}$
Base plate	Steel plate
Dimension	W1400xD1040xH1025mm
Weight	About 285kg
Power	AC 220V \pm 10%, 50Hz or specified by user

Picture: