

Product Presentation



Application

In the process of moving or transporting the product, there may be a drop in the product and damage to the internal product. The damage can be prevented in advance, that is machine is expected to be tested for the best possible solution so that it can be minimized during transport loss

Principle:

This series of drop test machine, using double column to the spring buffer, height scale instructions, stable and reliable, can be achieved edge, surface, angle drop.





Standards

ISO 2248, JIS Z0202, GB/T4857.5, ISTA

Key Specification

Model	GT-LC05-2
Display mode	Height ruler
Drop height	450~1500mm
Dimension of drop panel	(W*L)1200*1400mm
Max weight of sample	70kg
Max dimension of sample	(L*W*H)1000*1000*800mm
Transfer method	Electric drive
Single-wing area:	(W*L)350*760mm
Power	1 φ ,AC220V,50Hz, 1/2P
Weight of machine	About 450kg
Dimension	(L*W*H)1400*1200*2140mm
Structural material part	
Base plate	100×50mm box iron
Surface	6mm Iron spray
Test table	10mmHard aluminum plate (imported)
Main pole	45# Solid steel, surface heat treatment
Main force pole	60# Solid screw with steel cups up and down
Fixture	45 # Solid steel, surface heat treatment. Two ends with six products and angle fixed angle code
Control part	
Main force	Import 1 / 2HP motor with 20: 1 reducer 1 set
Controller	Imported Shihlin magnetic cable system and overload protection 2 sets
General system:	15A Fuji switch 1
Travel switch	Japan imported limit switch 2 sets
Control switch	Diameter of 25mm button 5 sets
Protection	motor fault protection, high and low limit protection, emergency stop protection



Operational specifications

(A) The test steps

- 1) Turn on the power switch, Power light is on (At this time is strictly prohibited non-professionals into the yellow cordon to do any relevant test operation. It's very dangerous). Check whether the two wings in the horizontal position, if it's not, need to adjust to the horizontal position by hands;
- 2) Place the test specimen on the wings with a fixture; Everyone needs to stand outside the security line.
- 3) Press the up button to raise the two wings to the desired test height, then press the stop button to stop rising;
- 4) Press the down button, let the specimen fall freely, when the test is finished, record condition of the specimen.
- 5) Repeat step 2~4 for other specimens. The face, angle, edge are tested accordingly.
- 6) Remark: Nobody is allowed on the working bench when test is going.

(B) Precautions and maintenance

- a. The enclosure must be grounded, otherwise there is a risk of electric shock
- b. Power line should be connected with the air switch and the contactor which has same capacity and electric leakage protection
- c. When the machine is power on, only Control panel is allowed to touch, to prevent abrasions or injuries
- d. If the machine needs to move, please be sure the power is cut off, cooling it for 5 minutes before operate.
- e. After a new machine is installed in factory, please add some low concentration machine oil on slide bar, other corrosive oil like rust preventive oil and high concentration oil are forbidden.
- f. If dust becomes too much on the location that needs oil, please down the machine on a low place, clear up the oil added before, and add new machine oil. Please add lubricating oil on the transmission parts regularly.
- g. Drop testing machine belongs to impact mechanical equipment, when a new one is used for more than 500 times, the screws should be tightened in case it malfunction suddenly.