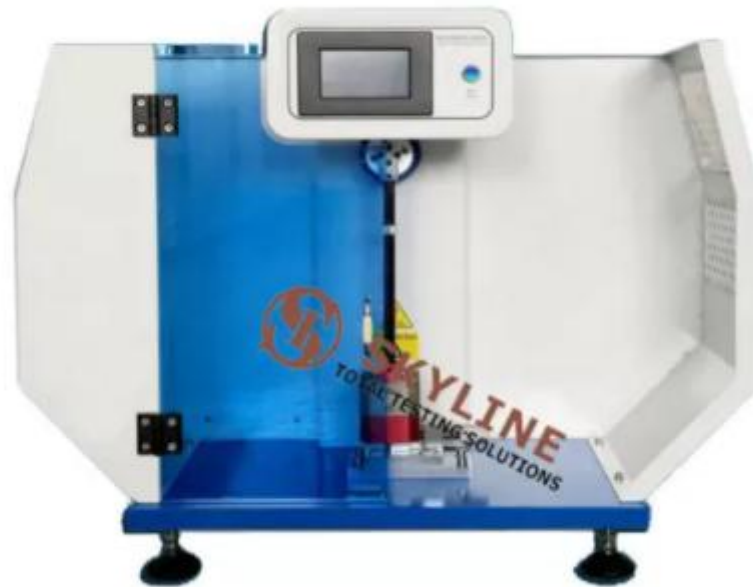


Cantilever Beam Impact Testing Machine



Product introduction

The cantilever beam impact tester is used to determine the impact toughness of non-metallic materials such as plastics, reinforced nylon, fiberglass, ceramics, cast stone, plastic electrical appliances, and insulating materials. The pendulum impact testing machine is a common equipment for quality inspection by scientific research units, universities and non-metallic materials manufacturers. The machine is a simple structure, convenient operation and high precision test. The digital impact test machine adopts high precision. The encoder technology has the characteristics of high precision, good stability and large measuring range. The digital measurement shows the impact strength and average value, the energy loss is automatically corrected, and the test report is printed.

The implementation of standards

ISO 180-2000 "Determination of impact strength of plastic-hard material cantilever beam"

JB/T8761—1998 "Plastic Cantilever Beam Impact Tester"

ASTM D256-2010 "Test Method for Determining Impact Strength of Plastic IZOD Pendulum"

Product features

1. High-precision intelligent controller with LCD display for intuitive and accurate data reading

2. Domestic use of carbon fiber pendulum rod, in the impact direction, improve the rigidity of the material, and focus the impact mass on the centroid of the pendulum, truly vibration-free impact test, and the service life increases.
3. Imported high-resolution digital encoder, the angle test accuracy is higher and more stable
4. Aerodynamic principle of hammer and imported ball bearings, greatly reducing the friction loss caused by machinery
5. Automatic calculation of the final result, the test data can save 12 sets of data and average
6. IZOD impact tester can choose Chinese and English operation interface, test results can choose J/m, KJ/m², kg-cm/cm, ft-ib/in and other units
7. Built-in micro printer print test data

Technical parameter

| | |
|---|---|
| Display mode | color touch screen (Chinese and English) |
| Angle sensor brand and accuracy | original imported Omron encoder, accuracy to 0.01 ° |
| Energy display accuracy | 0.01J |
| Impact speed | 3.5m / s |
| Pendulum energy | (5.5D) 2.75J, 5.5J |
| Pendulum angle | 150° |
| Pendulum center to impact blade distance | 335mm |
| Impact blade to the upper plane distance of the jaw | 22mm |
| Boring edge fillet radius | R=0.8±0.2mm |
| Machine weight | 85kg |
| Power supply voltage | AC220V±10% 50HZ |