



Лабораторне обладнання  
Реалізація  
Ремонт  
Модернізація  
Виготовлення обладнання за ТЗ замовника



ТОВ ВТП "АСМА-ПРИЛАД"



Charpy Impact is a single point test that measures a materials resistance to impact from a swinging pendulum. Charpy impact is defined as the kinetic energy needed to initiate fracture and continue the fracture until the specimen is broken. The values obtained can be used for quality control or to differentiate general toughness.

United Test product both the IZOD and Charpy impact tester, in dial display, LCD screen display and computer control used determine the impact ductility of nonmetallic materials, such as Rigid thermoplastic and thermosetting plastic, thermosetting plastic and thermoplastic after fiber-reinforced. It is widely used in the industries of plastic products, plastic manufacture, petro chemical etc, University, scientific research institute and commodity inspection department.

**Charpy Test:** The specimen is mounted horizontally and supported unclamped at both ends. The hammer is released and allowed to strike through the specimen. If breakage does not occur, a heavier hammer is used until failure occurs.

**IZOD Test:** The specimen is clamped into the pendulum impact test fixture with the notched side facing the striking edge of the pendulum. The pendulum is released and allowed to strike through the specimen. If breakage does not occur, a heavier hammer is used until failure occurs. Since many materials (especially thermoplastics) exhibit lower impact strength at reduced temperatures, it is sometimes appropriate to test materials at temperatures that simulate the intended end use environment.

**Feature of XJJD series LCD Display Charpy pendulum impact testing machine:**

- 1, LCD display, Charpy Test model;
- 2, Adopts rotate encoder grating side angle technology, high accuracy, high reliability, and big measuring range;
- 3, Support vice, pendulum is nickel coating, good appearance and anti-corrosion.
- 4, Standard ISO 179, ASTM D6110, ISO 9854.
- 5, Indicate impact energy, impact strength, initial angle, rising angle, energy loss etc.,
- 6, Automatic correcting the energy loss; Auto-print and save the records.

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