

GENERAL INTRODUCTION

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.

CMS Metrology 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.



REFERENCE

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.

ISO 179: "Plastics – Determination of Charpy impact properties"

ASTM D6110: "Standard Test Method for Determining the Charpy Impact Resistance of Notched Specimens of Plastics"

Charpy impact test Specimen size of ISO 179: Specimens are 80 x 10mm by thickness. The specimens can be either notched or unnotched.

KEY FEATURES

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.

LAS IMAGENES PUEDEN VARIAR DEL ORIGINAL; INFORMACIÓN SUJETA A CAMBIO SIN PREVIO AVISO

MAIN TECHNICAL SPECIFICATION

MODEL	XJJD-5
Impact Energy	1J, 2J, 4J, 5J
Impact Speed	2.9m/s
Pendulum Initial angle	160°
Pendulum center to specimen center distance	221mm
Specimen span	40,60,70,95 (mm)
Supporting Blade Angle Radius	R=1mm
Supporting Blade Included Angle	30°
Impact Blade Angle Radius	R=2mm
Power	220V, 50HZ
Display Type	LCD display
Specimen Clamping Type	Charpy
Standard Accessories	Loadframe, pendulum(1J, 2J, 4J, 5J), supporting vice jaws, specimen centering plate, spanner, power cord, manual etc.

MAIN ACCESSORIES

Frame	1 Set
1J, 2J, 4J, 5J impact pendulum	1 Set
Specimen vice	1 Set
Striker/vice for ISO 9854 (standard bar, convex, small bar)	3 Sets
Adjusting plate	1 Set
Centering plate	1 Set
Hexagonal spanner	1 Set
Power wire	1 Set
Documents (Manual, packing list, certificate)	



Large energy Charpy



Vice with nickle coating



Plastic V notch impact



Organic glass V notch impact sample 80*10*4mm

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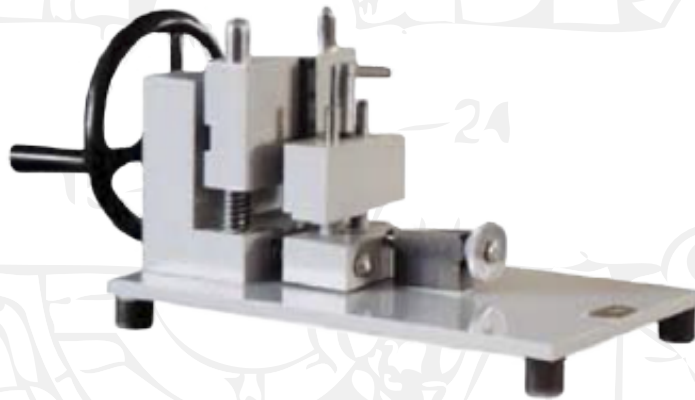
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OPTIONAL EQUIPMENT

1. PC controlled Charpy impact tester, XJJ-5P/XJJ-50P
2. Striking edge & vice for ISO 9854 (Standard bar test piece, Convex test piece Small bar test piece)
3. Test sample notch machine (QK-20, ZQK-20, ZQK-20A)



4. Universal Sample Preparation Machine (model: WZY-240)



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