

HST XJXD Charpy and Izod Pendulum Impact Testing Machine



Picture is for reference only

Application:

This Impact Tester is used to determine the impact toughness of non-metallic material such as rigid plastics, fibre reinforced composite material, nylon, glass, ceramics, cast stone, asbestos board, electrical insulating material, etc. It is suitable for notched and unnotched specimen.

Standard:

ISO179, ISO180, ASTM D256 and the equivalent.

Specifications

MODEL	XJXD-5.5T	XJXD-50T
Impact energy	For Izod: 5.5J, 2.75J For	For Izod: 5.5J, 11J, 22J For Charpy:

	Charpy: 1J,2J,4J,5J	7.5J,15J,25J,50J
Elevation in advance	150°(accuracy 0.01°)	150°(accuracy 0.01°)
impact speed	3.5m/s,2.9m/s	3.5m/s,3.8m/s
Measurement resolution	0.01J	
Pendulum center distance	Izod: 335mm; Charpy:230mm	
Pendulum angle	150°	
Measurement accuracy	±0.1%	
Resolution	0.03%	
Impact blade to the surface distance of the tongs	22mm±0.05mm	
Corner radius of striking	Izod : R=0.8mm; Charpy:R=2mm±0.5mm	
Output mode	Printout	
Power	AC220V±10% 50HZ	

Features:

- 1.Cantilever beam and simply supported beam are integrated impact, no need to disassemble the clamp and sample holder
- 2.High-precision intelligent controller, equipped with liquid crystal display, can read data intuitively and accurately
- 3.Using imported high-resolution digital encoder, angle test accuracy is higher and more stable
- 4.The impact hammer and imported ball bearings conforming to the principle of aerodynamics greatly reduce the friction
- 5.loss caused by the machine
- 6.Automatically calculate the final result, the test data can save 24 groups of data and average
- 7.English operation interface can be selected, test results can be selected in units such as J/m,KJ/m²,kg-cm/cm, ft-ib/in, etc.