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Home (/) >> PRODUCT (http://www.hssdgroup.com/PRODUCT/) >> Impact Testing Machine (http://www.hssdgroup.com/PRODUCT/Impact_Testing_Machine/)





Computer Control Low-temperature Automatic Impact Testing Machine

Product description:

Application: Pendulum Charpy Impact Testing Machine is used to determine the impact toughness of metal materials under dynamic load according to ISO148, ASTM E23 and EN 10045. It is suitable for labor



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PRODUCT DETAILS

PRODUCT VIDEO

Application:

Pendulum Charpy Impact Testing Machine is used to determine the impact toughness of metal materials under dynamic load according to ISO148, ASTM E23 and EN 10045. It is suitable for laboratory, metallurgy industry, machinery production, steel plant and other fields.

Liquid nitrogen refrigeration

JBDW-Y series Computer type: carry out the functions of zero clearing and automatic return, capturing the value of lost impact energy and pendulum cycle by means of setting up with computer program, and the results can be monitored, stored and printed out.

Low temperature system uses refrigeration compressor technology to achieve uniformity of the sample auto-cooling, with the use of heat balance principle and cycle mixing method.

JBDW-C series Computer type: carry out the functions of zero clearing and automatic return, capturing the value of lost impact energy and pendulum cycle by means of setting up with computer program, and the results can be monitored, stored and printed out. Liquid nitrogen refrigeration

Main Technical Specifications:

Model	JBDS-300Y JBDW-300Y	JBDS-500Y JBDW-500Y	JBDS-300C JBDW-300C	JBDS-500C JBDW-500C
Max. impact energy	300J	500J	300J	500J
The distance between the pendulum shaft and impact point	750mm	800mm	750mm	800mm
Impact speed	5.2m/s	5.4m/s	5.2m/s	5.4m/s
Raised angle	150°			
Standard span	40+0.2mm			
Round angle of the jaw	R1-1.5mm			
Round angle of impact edge	R2-2.5mm,R8±0.05(special order)mm			
Angle accuracy	0.1°			
Standard specimen dimension	10mm×10(7.5/5)mm×55mm			
Thickness of impact knife	16mm			
Dip angle of supporting surface of supports	11°			
Cooling way	compressor		liquid nitrogen refrigeration	
Capacity of sample box	20		10	
Range of low temperature	room tempeature60°c/80°c		room tempeature-196°C	
Range of low temperature	fluctuation ±0.5°C grades 1°C		fluctuation ±1.5°C grades 2°C	
Speed of sending specimen	≤2S			
Power supply	3phs, 380V, 50Hz Or 220V,60Hz			

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