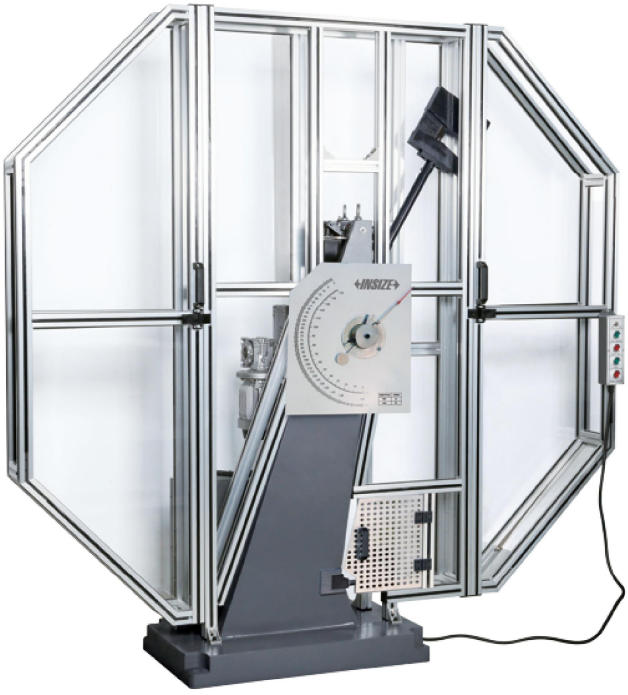
IMPACT TESTING MACHINES



ITM-S300J





low-temperature chamber (**optional**)

- According to GB/T 3808, GB/T 229, JJG 145, ASTM E23 (with American standard blade), ISO 148.1, ISO 148.2, ISO 148.3, ISO R83
- For testing the anti-impact performance of metal materials under dynamic load
- Capable of performing metal impact tests in large quantities on a continuous basis

SPECIFICATION

Code	ITM-S150J	ITM-S300J	ITM-S450J	ITM-S600J	ITM-S750J
Impact energy	150J	300J	450J	600J	750J
Dial range	0~150J	0~300J	0~450J	0~600J	0~750J
Dial graduation	1J	2J	3J	4J	5J
Pendulum moment	M=80.3848N·m	M=160.7695N·m	M=241.1543N·m	M=321.5390N·m	M=401.9238N·m
Pendulum preparing angle	150°				
Distance between pendulum shaft center and specimen center	750mm				
Impact speed	5.24m/s				
Span of specimen seat	40mm				
End face radius of specimen seat	R (1.0~1.5)mm				
Radius of impact blade	R (2.0~2.5)mm				
Inclination angle of support surface of specimen seat	11°±1°				
Angle of impact blade	30°±1°				
Thickness of impact blade	16mm				
Range of measuring angle	0~360°				
Angle resolution	≤0.06°				
Specimen size	10×10×55mm				
Power supply	AC380V, 3Ø, 50Hz				
Power	400W		1.5kW		
Base size	800×500mm		960×650mm		
Dimension of main body	2050×690×2015mm		2100×835×2200mm		
Net weight	450kg		900kg		

SPECIFICATION OF LOW-TEMPERATURE CHAMBER (OPTIONAL)

Code	ITM-S-40	ITM-S-60	ITM-S-80	ITM-S-80S	ITM-S-100	ITM-S-196*
Range of temperature	room temperature ~-40˚C	room temperature ~-60˚C	room temperature ~-80˚C	room temperature ~-80˚C	room temperature ~-100˚C	-20˚C~-196˚C
Accuracy of temperature control	±0.5˚C					±2˚C
Evenness	≤1.0˚C					≤2.0˚C
Resolution	0.1˚C					0.1˚C
Method of refrigeration	Compressor refrigeration					Liquid nitrogen refrigeration
Cooling medium	Ethanol or other unfrozen liquid					Liquid nitrogen
Number of specimen	≥60 pcs					
Cooling speed	+25˚C~0˚C about 1.5˚C/min, 0˚C~-20˚C about 1.2˚C/min, -20˚C~-40˚C about 1.0˚C/min	+25˚C~0˚C about 1.8˚C/min, 0˚C~-20˚C about 1.5˚C/min, -20˚C~-40˚C about 1.3˚C/min, -40˚C~-60˚C about 1.0˚C/min	+25˚C~0˚C about 1.5˚C/min, 0˚C~-20˚C about 1.3˚C/min, -20˚C~-60˚C about 1.0˚C/min, -60˚C~-80˚C about 0.8˚C/min	+25˚C~0˚C about 1.5˚C/min, 0˚C~-20˚C about 1.3˚C/min, -20˚C~-60˚C about 1.0˚C/min, -60˚C~-80˚C about 0.8˚C/min	+25˚C~0˚C about 2.0˚C/min, 0˚C~-40˚C about 1.5˚C/min, -40˚C~-80˚C about 1.3˚C/min, -80˚C~-100˚C about 0.8˚C/min	1˚C~-3˚C
Heating speed	3˚C/min					
Timekeeping device	1min~9999min, resolution: 1min					
Volume of refrigeration room (W x D x H)	275×160×120mm					
Effective volume of refrigeration room (W x D x H)	150×140×110mm					
External dimension (W x D x H)	910×510×920mm			755×555×950mm	1105×705×1110 mm	710×600×740mm
Material of the case	Iron shell spraying moulding			stainless steels	Iron shell spraying moulding	stainless steels
Power supply	AC220V, 3Ø, 50Hz, 1.8kW	AC220V,3Ø, 50Hz, 2.3kW	AC220V, 3Ø, 50Hz, 2.5kW	AC220V, 3Ø, 50Hz, 2.5kW	AC 220V, 3Ø, 50Hz, 3.0kW	AC 220V, 3Ø, 50Hz, 100W

*For test >-20˚C, ITM-S-80 is recommended

STANDARD DELIVERY

Main unit		1 pc
Control cabinet		1 pc
Simply supported beam fixture (including jaws, anvil)		1 set
Pendulum	ITM-S150J	150J pendulum
	ITM-S300J	300J pendulum and 150J pendulum
	ITM-S450J	450J pendulum and 150J pendulum
	ITM-S600J	600J pendulum and 150J pendulum
	ITM-S750J	750J pendulum and 150J pendulum
Span aligner		1 pc
Tongs		1 pc
Safety cover		1 set
Software		1 set
Computer		1 pc
Printer		1 pc

OPTIONAL ACCESSORY

Workbench	7911-15
150J pendulum	ITM-S-PE150J
300J pendulum	ITM-S-PE300J
450J pendulum	ITM-S-PE450J
600J pendulum	ITM-S-PE600J
750J pendulum	ITM-S-PE750J
ASTM standard impact blade	ITM-S-ASTM-IB
Sample recovery device	ITM-S-RD
Digital display screen	ITM-S-DDS
Impact specimen notch projector (GB/T 229, ASTM E23)	ISP-Z2
Low-temperature chamber	ITM-S-40
	ITM-S-60
	ITM-S-80
	ITM-S-80S
	ITM-S-100
	ITM-S-196
Impact specimen notch broaching machine (double broaches)	ITM-U32
Impact standard sample	ITM-BR series