

Torsion Testing Machine Series

HST/KASON

Application

This series Metal Torsion Tester is mainly used to test the plasticity of metal wires and ropes under torsion condition. Surface flaws of steel wires may be shown during the testing process. It is most suitable for quality inspection of departments related to steel wire. The revolution is displayed on a 4-digit LED. Max. displayed revolution is 999.9. The revolution value is automatically held at the break of specimens. It conforms to standards of ASTM A938, ISO7800.

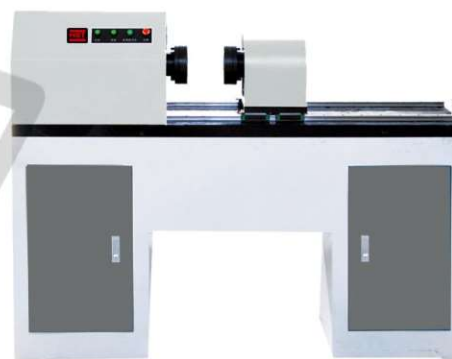


Specifications

Model	HTT-1	HTT-3	HTT-6	HTT-10
Max. Clamp metal wire diameter (mm)	Φ0.1-Φ1.0	1-3	Φ1-Φ6	Φ3-Φ10
Parallelism of the full moving guide	≤0.2			
Distance between the grips (mm)	200	320	500	500
Rotation speed adjusting range (r/min)	60/90/120/180/300		60/90/120/180	
Torsion speed error (%)	≤±10%			
Min. number of circle values	0.1			
Two chuck alignment(mm)	≤Φ0.4			
Jaw hardness(HRC)	50-65			
Weights error (%)	±0.5			
Work Noise (dB)	≤70			
Min. revolutions reading values(r)	1			
Power Supply	AC 220V±10%,50Hz			

Application

This series materials torsion testing machine is used for torsion test of metal materials, nonmetallic materials, composite materials and components



Specifications

Model	NDS-200 NDW-200	NDS-500 NDW-500	NDS-1000 NDW-1000	NDS-2000 NDW-2000	NDS-3000 NDW-3000	NDS-5000 NDW-5000
Maximum Torque	200N/m	500N/m	1000N/m	2000N/m	3000N/m	5000N/m
Machine level	1 Class					
Torque Test Range(F·S)	2%~100%F·S					
Torque value relative error	≤±1%					
Intersection angle display resolution(°)	0.1					
Control method	Close-loop control of torque,torsion angle and deformation					
Max. torsion Angle	99999°					
Torsional angular rate control range (°/min)	0.05-800					
Chuck spacing effectively	600mm			650mm		
Power Supply	220V±10%, 50Hz					