

Metal Wire Torsion Testing Machine

KASONTTEST®



Product Overview

The KASON Wire Torsion Testing Machine is designed for testing the torsional performance of metal wires, steel wires, copper wires, prestressed steel wires, and cable materials. It is suitable for one-way and two-way torsion tests to evaluate plastic deformation ability and detect surface or internal defects of metal wire materials. The system is widely used in laboratories, universities, research institutes, wire manufacturing plants, and quality inspection departments.

Applicable Standards

- ISO 7800: Metallic materials — Wire — Simple torsion test
- ISO 9649: Metallic materials — Wire — Reverse torsion test
- GB/T 239.1-2023 Metallic Materials Wire Unidirectional Torsion Test Method
- GB/T 239.2-2023 Metallic Materials Wire Bidirectional Torsion Test Method
- ASTM A938 Standard Test Method for Wire Torsion Testing

Main Features

- Suitable for metal wire diameter from 0.1mm to 10mm
- Supports one-way and two-way torsion testing
- LCD / computer control display system
- Adjustable torsion speed with high testing accuracy
- Stable clamping structure with high hardness grips
- Widely used for steel wire, copper wire, cable, and alloy wire testing
- Low noise and compact design

Technical Specifications

Model	KASON TT-3	KASON TT-6	KASON TT-10	KASON TT-15	KASON TT-20	KASON TT-30
Loading method	Automatic loading	Automatic loading	Automatic loading	Automatic loading	Automatic loading	Automatic loading
Display method	Touch screen display	Touch screen display	Touch screen display	Touch screen display	Touch screen display	Touch screen display
Wire diameter	1-3mm	1-6mm	3-10mm	10.0-15.0mm	10.0-20.0mm	20.0≤d(D)<30.0
Space between two fixtures	500mm					
Jaw clamping range	1.0- 3.0mm	1.0- 6.0mm	3.- 10.0mm	10.0-15.0mm	10.0-20.0mm	20.0-30.0mm
Clamping block hardness	>55HRC					
Torsion speed	15,30,60r/mn	30,60,90,120 r/min	15-120r/min(stepless speed regulation)	2-6 r/min	2-6 r/min	15-20r/min (stepless speed regulation)
Speed error	<±5%					
Minimum reading value of turns	0.1					
Max number of turns	999999999					
Size (L * W * H)	1250×430×600mm			1500*500*100mm		Customized
Net weight	120kg			200kg		Customized
Power	AC 220V 50Hz					
Noise	<50 dB (A)					

FOCUS IN MATERIAL TEST

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