

## Mitech MEZ Series Wire Torsion Testing Machine

### Overview

Mitech MEZ Series Wire Torsion Testing Machine, through the single-chip computer control testing machine speed, for metal wire unidirectional or bidirectional torsion test, its performance is stable, simple operation, strong structure, simple structure, high work efficiency. Widely used in the determination of metal wire to withstand plastic deformation capacity and display of wire surface and internal defects, it is to improve production efficiency and save production costs essential professional precision testing equipment.

### Technical Parameters

Technical Parameters	MEZ-1	MEZ-3	MEZ-10	MEZ-15
Sample diameter	Φ0.3-Φ1	Φ1-Φ3	Φ3-Φ10	Φ5-Φ15
Twist way	One-way, two-way			
Two chuck coaxiality	< φ 0.4 mm			
The parallelism of the entire length of the moving rail	< 0.2mm			
Jaw hardness	55~65HRC			
Turn the circle to set the range	1~9999			
Tolerance of the weight	±0.5%			
Rotation rate setting range	60 ~ 180 rev / min		0-90 r / min	
Tester working noise	< 70dB			
Power supply	220V, 50Hz			
Dimensions	1100*500*1100mm			
Total Weight	250kg			

### Working Principle

Torsion testing machine measured by the sensor force generated by the signal into the measurement amplifier into the A / D converter into a digital signal is accepted by the computer system, the digital processing, the computer system to deal with the operation of the A / D Converter to the signal through the LCD screen display data.

### Features

- Widely used to determine the ability of metal wire to withstand plastic deformation and display of wire surface and internal defects;
- Novel shape, strong structure, accurate control, balanced operation, easy operation;
- The use of SCM control, high efficiency, especially for continuous testing;
- Digital display test results, intuitive readings, high test efficiency;
- Torsion rate, the number of turns arbitrarily set, stepless frequency control;
- Single, two-way reverse any choice;
- Meet GB, ISO, ASTM, and other relevant domestic and foreign standards

### Scope of Application

- Widely used to determine the ability of metal wire to withstand plastic deformation and display of wire surface and internal defects.

### Applications

- Metal wire processing and manufacturing quality control links
- Scientific research teaching experiment in colleges and universities
- Materials research and testing institutes
- Quality inspection departments of quality testing

### Working conditions

- Operating temperature: room temperature ~ 45 °C;
- Relative humidity: 20% to 80%;
- No vibration around, no corrosive media, no strong magnetic field interference;
- Horizontal installation on a solid basis;
- Supply voltage fluctuations do not exceed 10% of the rated voltage.

### Configuration

	No.	Item	Quantity	Note
Standard Configuration	1	Testing machine host	1	
	2	Jaws	1	
	3	Weight and afterburner	1	
	4	Special tools	1	
	5	Attached fiels	1	

### Maintenance and care

- Before using this instrument, please read the instruction manual carefully, understand the operation steps and precautions, avoid the damage caused by improper operation or personal safety accident;
- Test machine is a large precision instruments, should pay attention to water, moisture. Exposed workstations, upper and lower beam parts and attached parts should be coated with anti-rust oil to prevent rust;
- If idle for a long time, test it at least once a week to prevent rusting
- Should be at least once a year for the instrument to do periodic testing to ensure the accuracy of the test machine;
- Don't disassemble the instrument without authorization, maintenance related matter, please contact MITECH after-sale service department with 4000600280.