

## Mitech MTPJ Mechanical Spring Fatigue Testing Machine

### Overview

Mitech MTPJ mechanical spring fatigue testing machine, by the electric load test force, can be used for a variety of coil spring fatigue performance test, the use of electric loading, computer control, digital intelligent display, its stable performance, simple operation, strong and simple structure, high efficiency. Widely used in spring manufacturing, automotive suspension spring, vibration spring, institutions of higher learning and scientific research units and other fields. It is the necessary professional precision testing equipment for improving production efficiency and saving production costs.

### Technical Parameters

Technical Parameters	MTPJ				
	MTPJ-1000	MTPJ-2000	MTPJ-5000	MTPJ-10000	MTPJ-20000
Maximum static test force	1000N	2000N	5000N	10000N	20000N
Frequency	0.5-5Hz				
Amplitude	0-50mm				
Counter capacity	9*10 <sup>9</sup>				
Test space	Φ 90mm/Φ 150mm				
Power supply	380V				

### Working Principle

Spring tension and compression testing machine, the sensor force generated by the signal sent to the measurement amplifier, amplified into the A / D converter into a digital signal is accepted by the computer system, by the computer system to accept the digital processing, the computer system to deal with the operation of A / D converter to the signal through the LCD display data.

### Features

- Widely used in spring manufacturing, automotive suspension springs, vibration springs, institutions of higher learning and scientific research institutes and other fields;
- Modeling novel, strong structure, high reliability, high precision measurement;
- To reach the default number of tests automatically shut down, spring break automatically shut down;
- Using liquid crystal display, menu-type user interface, simple and intuitive, convenient and quick;
- Can be customized according to user needs temperature control box, can be set at the temperature of the spring fatigue test;
- Consistent with GB, ISO, ASTM, DIN and other relevant domestic and foreign standards

### Scope of application

Widely used in spring mechanical performance test.

## Applications

- Spring manufacturing industry
- Vibration, suspension spring manufacturing
- Experimental teaching experiment in colleges and universities
- Scientific research institutions of material analysis test
- Quality inspection departments quality testing links

## 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;

## Configuration

	No.	Item	Quantity	Note
Standard Configuration	1	Testing machine host	1	
	2	Control system	1	
	3	Auxiliary tools	2	
	4	Power cable	1	
	5	Attached files	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, at least once a week and move the upper and lower beams, so that beam position, silk mother often activities to prevent rust;
- Should be at least once a year for the instrument to do periodic testing to ensure the accuracy of the test machine;
- Electrical connection cable and equipment should be careful when connected, moderate efforts, remember not swipe, hard pull.
- Don't disassemble the instrument without authorization, maintenance related matter, please contact MITECH after-sale service department with 4000600280.