

## Mitech MJB-300 Manual Impact Testing Machine

### Overview

Mitech MJB-300 manual impact testing machine, control the pendulum movement manually, can be for metal, non-metallic and composite materials under dynamic load resistance to the performance test. It uses manual lifting, impact, classical mechanical dial display, brings stable performance, simple operation, strong structure, simple structure, high efficiency. Widely used in steel, steel pipe and other toughness of ferrous metals and alloys of its anti-pendulum impact performance of the accurate measurement. It is the necessary professional precision testing equipment for improving production efficiency and saving production costs.

### Technical Parameters

Technical Parameters	MJB-300
Impact energy	150J、300J
Impact speed	5.2m/s
The angle of raising	135°
Bearing span	40mm
Inclination of supporting surface of sample bearing	0°
The angle of impact knife	30±1°
The thickness of impact knife	16mm
Bearing fillet radius	R1~1.5mm
Impact knife radius	R2~2.5mm
Angle resolution	≤6'
Pendulum torque	80.3848N.m、160.7695N.m
Dimensions	1000*630*1520mm
Total Weight	320kg

### Working Principle

The hemispherical punches of the impact testing machine impact and pass through the specimen at a certain speed and measure the energy consumed by the punch to evaluate the impact resistance of the specimen.

### Features

- It is widely used in the fields of metal and nonmetal processing, manufacturing, quality inspection, quality inspection, scientific research and experiment in Institutions of higher learning and so on;
- Manual lifting, manual operation, suitable for a small amount of test;
- Novel shape, strong construction, high reliability, simple operation;
- Classic mechanical dial, intuitive reading, high testing efficiency;

- In line with GB, ISO, ASTM and other relevant domestic and foreign standards.

### Scope of application

It is widely used in the accurate determination of pendulum impact resistance of ferrous metals and alloy materials, such as steel, steel pipe, etc..

### Applications

- Quality control link of Metal processing manufacturing
- Quality control link of nonmetal manufacturing industry
- Teaching experiment of scientific research in Institutions of higher learning
- Material analysis test of scientific research institutions
- Quality inspection link of Quality inspection department

### Working Conditions

- Operation Temperature: Ambient temperature ~45°C;
- Relative humidity: 20% ~80%;
- No vibration, no corrosive medium, no high magnetic field interference;
- Horizontal installation on a solid basis;

### Configurations

Configuration instructions	NO.	Name	QTY.	Remarks
Standard Configuration	1	Testing machine host	1	
	2	Pendulum	2	Each of 300J, 150J
	3	Pedestal adjusting device	1	
	4	Sample centering device	1	
	5	Attached files	1	

### Maintenance and care

- 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;
- It is forbidden to put samples before the pendulum hangs. Before placing the sample, make sure that the pendulum is stable and the safety pin has been ejected;
- When using, should pay attention to check the jaw support, pendulum hammer, whether reliable fastening, in order to prevent the test results inaccurate or accident;
- The pendulum shaft bearings on both ends of the factory has been the use of units without refueling, refueling, such as repairing after cleaning with 1-2 drop of sewing machine oil or watch oil, Vaseline or other power bearing grease;
- If at a long time idle, at least once a week to prevent rust;
- After the test, the pendulum should be placed in the vertical position, and the handle push rod is placed in the braking position;
- Don't disassemble the instrument without authorization, maintenance related matters please

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contact MITECH after-sale service department with 4000600280.

