

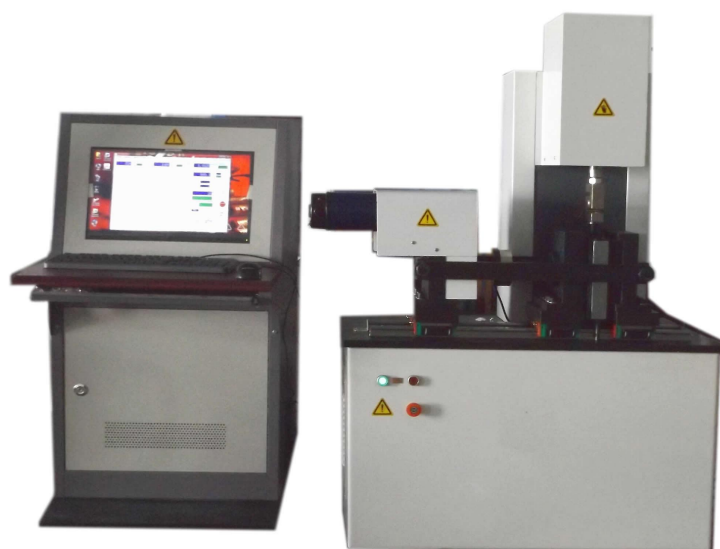


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## ZMM Low frequency and heavy load reciprocating abrasion testing machine specification

### One.Product Description

This testing machine is independently developed by Hengxu testing machine company. It has reciprocating function, low frequency, heavy load and long stroke friction and abrasion testing machine. The machine is mainly used in double-sided or single-sided heavy-duty reciprocating test, which can achieve end-face reciprocating test, and has practical inspection significance for some heavy-duty wear-resistant materials or structures, such as support wear plate, side bearing wear plate, center plate wear plate and other products. The host machine adopts high strength base and adopts fixed distance reciprocating motion to realize vibration friction. In order to strengthen the vibration of the pedestal under the action of the alternating friction force, the gapless guideway is used to guide the loading, and the loading unit is also self-centering. This machine is in line with the standard TB / T3269-2011 railway freight car elastic side bearing friction performance testing.



Reference picture of product appearance



## Two、 Specification Data and Configurations

### 1.Tightening force

1.1 Max bidirectional tightening force: 30KN

1.2 Loading accuracy:  $\pm 1\%$

1.3 Loading mode: Automatic loading

### 2.Coefficient of friction

2.1 Measuring method:Real time acquisition

2.2 Measuring accuracy:  $\pm 2\%$

2.3 Parking protection: Overload automatic train stop protection

### 3.Specimen Heat Dissipation System

3.1 Mode of work: Above  $25^{\circ}\text{C}$  to start the cooling cycle

3.2 Temperature control accuracy:  $\pm 5^{\circ}\text{C}$

### 4.Vibration frequency: Stepless adjustable

5.Amplitude:  $\pm 15\text{mm}$

6.Host powerApprox:5kW

## Three. Functions and features

The testing machine adopts advanced servo motor technology, elevator technology and modular design. It has novel structure and convenient clamping. The tension / pressure sensor and temperature sensor signals are input into computer for real-time analysis through multi-function data acquisition unit. It has the functions of automatic centering, automatic display and printing of measuring results. It provides convenient, reliable and technologically advanced modern measuring means for manufacturers and assemblers of side bearing wear plates and center plate wear plates. At the same time, it is also recommended to study the low-frequency and heavy-duty reciprocating abrasion testing machine.



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