

## **Universal Length Measuring Machine**

### **Features:**

- High-quality cast iron base is taken by nature time process for a long time. Therefore, it has good rigidity and stability;
- It adopts the air floating method; therefore, its operation is flexible and portable and it has no abrasion and small noise;
- Equipped with the temperature transducer, it can real time display the temperatures of instrument and workpiece and automatically complete the real time compensation of temperature error;
- The complete measuring accessories with wide range can meet different measuring demands;
- The grating measuring system with high precision has the characteristics of reliable stability, low heating power, corrosion resistant and pollution resistance, which also has higher measuring precision;
- The main measuring axis adopts optimum square design so as to ensure the moving stability;
- Absolute measurement and comparison measurement for the external dimension. Measurements for the internal dimension, hole and thread;
- Real time hint the operating step: it has the function for automatically find reversal point and operation is very convenient;
- Input the coordinate point by keyboard: Relative data can be outputted to AutoCAD WORD so as to process data or print data;

### **Usages:**

#### **Applying range:**

Its mainly uses is used to directly measure the checking length bars of the external micrometres, internal micrometres and length bars made by yourself. It can also measure the internal dimensions of catch plates, through-holes and blind holes and the pitch diameter of external thread.

The serial air flotation grating length measuring machine can carry out the comparison and absolute measurements of internal and external dimensions of various parts. It is suitable for using in the inspecting departments and laboratory of machine building, tool making, in the manufacture of gauges and measuring instruments.