



**Лабораторне обладнання  
Реалізація  
Ремонт  
Модернізація  
Виготовлення обладнання за ТЗ замовника**



**ТОВ ВТП "АСМА-ПРИЛАД"**



## Raster Length Measuring Machine

**JDS1000**

**Raster 1-M Length Measuring Machine**

**JDS2000**

**Raster 2-M Length Measuring Machine**

**JDS3000**

**Raster 3-M Length Measuring Machine**

### Maximum diameter gripped by the tailstock (mm)

When the length between 0-170,  $\phi$  140 mm

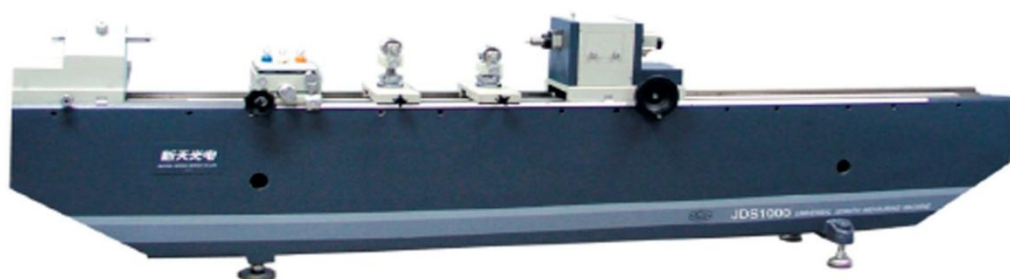
When the length between 170-210,  $\phi$  130 mm

### V-type support

Adjustable range of height: > 28mm

Diameter range of the supporting member: up to  $\phi$  30 mm

**Support frame for the measuring block:** Its length up to 1000mm



## Characteristics

- Imported precision raster is used as measuring element, with satisfactory stability, lower heat value, corrosion resistance and contamination resistance.
- Expansion coefficient of raster material is as the same as that of steel, having little effect of ambient temperature.
- Computer data processing technology, additional one-dimensional measuring software, can carry out various measurements in high efficiency.
- Worktable can move and deflect polydirectionally, suitable for measurement of parts with different shapes.
- With inclination-measuring sensor, software achieves real time compensation of Abel error.
- With temperature sensor, software achieves real time compensation of temperature effects.

## Technical Parameters

### Measuring range (mm)

External sizes: 0-1000 0-2000 0-3000

Internal sizes: 30-900 30-1900 30-2900

Measurement of external thread mid-diameter: 0-140

Minimum division value: 0.0002mm

Accuracy of measurement:  $(0.5+L/200)\mu\text{m}$ , of which, L= value measured, unit:mm

**Working range of V-type iron:** Maximum to  $\phi$  30 mm

### Overall sizes of the instrument (mm)

1980 x 450 x 750

2980 x 450 x 800

4000 x 450 x 850

### Requirement for the ambient environment:

Room temperature:  $20^{\circ}\text{C} \pm 1^{\circ}\text{C}$

**Moving range of Abel measuring spindle:**  $\pm 25\text{mm}$

**Measurement of forces:** 1.5N 2.5N

**Fitting size for the measuring cap's internal diameter:**  $\phi 6\text{H7}$

**Size of outer diameter between the reference rod and the measuring cap's internal diameter:**  $\phi 6\text{g6}$

### Universal worktable (mm)

Vertical stroke: 0-70

Horizontal stroke: 0-40

Vertical floating stroke of horizontal position: 10

Rotation:  $> \pm 3^{\circ}$

Deflection:  $> \pm 3^{\circ}$

Division value of horizontal micro-drum: 0.01

Load capacity of the worktable: 10kg

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