



Лабораторне обладнання
Реалізація
Ремонт
Модернізація
Виготовлення обладнання за ТЗ замовника



ТОВ ВТП "АСМА-ПРИЛАД"



Laser Length Measuring Machine

JDJ1000 Laser 1-M Length Measuring Machine

JDJ2000 Laser 2-M Length Measuring Machine

JDJ3000 Laser 3-M Length Measuring Machine

Characteristics

- The box-enclosed structure manufactured with high-quality cast-iron is adopted for the base frame of the instrument; with adequate rigidity and stability.
- Renishaw Laser Interferometer is adopted for the measuring basis, which is completely in conformity with Abbe Principle in design; thus achieving higher measuring accuracy.
- This instrument is equipped with auto-compensating system for the ambient temperature; which can automatically compensate measuring errors caused by temperature.
- The computer data processing technology with one-dimensional measuring software can carry out various complicated measurements in high efficiency.
- This instrument, equipped with multiple accessories of measuring hook, tailstock, V-type support, etc., can realize precision measurements for various internal and external sizes.

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: 0.01 μ m

Accuracy of measurement: $(0.5+L/500)$ μ m, of which, L= value measured, unit:mm

Requirement for the ambient environment

Room temperature: 20°C \pm 1°C

Moving range of Abel measuring spindle: \pm 25mm

Measurement of forces : 1.5N 2.5N

Fitting size for the measuring cap' s internal diameter : Φ 6H7

Size of outer diameter between the reference rod and the measuring cap' s internal diameter : Φ 6g6

Universal worktable (mm)

Vertical stroke: 0~70

Horizontal stroke: 0~40

Vertical floating stroke of horizontal position: 10

Rotation: $>$ \pm 3°

Deflection: $>$ \pm 3°

Division value of horizontal micro-drum: 0.01

Load capacity of the worktable: 10kg

Maximum diameter gripped by the tailstock (mm)

When the length between 0-170, Φ 140 mm

When the length between 170-210, Φ 130 mm

V-type support

Adjustable range of height: $>$ 28mm

Diameter range of the supporting member: up to Φ 30 mm

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

Working range of V-type iron: Maximum to Φ 30 mm

Overall sizes of the instrument (mm)

1980 \times 450 \times 750

2980 \times 450 \times 800

4000 \times 450 \times 850



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