CR300 ROUNDNESS/CLINDRICITY TESTER

- High-precision air-floating spindle, never wear, long-term accuracy
- Data acquisition by high precision encoder with high accuracy and good stability
- Part of the arc can also be measured and processed
- Automatic identification of contour discontinuities, with automatic or manual elimination function



SPECIFICATION

Measuring range	Max. dia.	Ø380mm
	Min. inner dia.	Ø5mm
	Max. height	450mm
Spindle accuracy	Radial error	±(0.025+5H/10000)μm, H is the measuring height in mm
	Axial error	±(0.025+6X/10000)μm, X is diameter in mm
Parallelism between rotary Axis and Z-Axis guideway		2μm/300mm
Stage	Dia.	Ø200mm
	Rotation dia.	Ø400mm
	Load	30Kg
	Adjustment range	adjust the eccentricity ±2mm; adjust the level ±1°
	Spinning speed	0-12 rpm
Z axis	Straightess	0.5μm /100mm
	Straightess	0.8μm /300mm
Horizontal arm	Horizontal moving distance	160mm
	Probe moving speed	0.5-6mm/s (adjustable)
Sensor	Range	±500μm
	Resolution	0.005μm
	Stylus	Ø0.5/Ø1/Ø2mm ruby ball
	Measuring force	1-12g
Data acquisition		grating 7200 points/cycle
Magnification		maximum 200,000 times
Air source		0.45-0.80Mpa
Air consumption		≥0.2m³/min
Power supply		AC 220V±10% 50Hz
Dimension		960x650x1550mm

INCLUDED ACCESSORIES

Main unit	1pc
Stage	1pc
Precision chuck	1pc
Standard part	1pc
Ø0.5mm ruby ball	1pc

Ø1mm ruby ball	1pc
Ø2mm ruby ball	1pc
Software with USB dongle	1pc
Computer	1pc
Printer	1pc