



RONDCOM GRANDE DUO GRANDE

Table Rotating Type Roundness Measuring Instrument Designed for High-Precision Measurements of Large, Heavy Workpieces



RONDCOM GRANDE DUO

Portable / Large-sized Measuring Instrument

Incorporates Newly Developed High Precision Air-Bearings

Ideal for Evaluations of High Precision Bearings for Wind Energy Generation Equipments and Large Industrial Machine Tools

Flexible R-axis Provides a Wide Range of Measuring Diameters from Small to Large

RONDCOMGRANDE DUO, Double-Column Model, can Measure Both Roughness and Contour Profile.

Specifications

Model		RONDCOM GRANDE DUO	RONDCOM GRANDE
Measuring range	measuring diameter	Φ 0 to Φ 1650 mm	
	R-axis stroke (right/left)	450 mm	
	Z-axis stroke (up/down)	550 mm	
	Max. loading diameter	Φ 2100 mm	
	Max. measuring height	500 mm	
Rotation accuracy	Radial direction	[0.08 + H/1000] μm (H: Height from table surface) mm	
	Axial direction	[0.2 + R/1000] μm (R: Radius from table center) mm	
Straightness accuracy	Z-axis	0.15 μm/100 mm , 0.5 μm/490 mm	
	R-axis	0.1 μm/200 mm , 2 μm/400 mm	
Parallelism	Z-axis	1.8 μm/350 mm	
	R-axis	2 μm/200 mm	
Roughness and Contour	Vertical stroke	190 mm	-
	Detection method	Optical analysis scale	-
	Detection resolution	0.54 nm	-
	Straightness accuracy	±(0.3 + (L/1000)) μm	-
Rotary table	Table outside diameter	1650 mm	
	Centering adjustment range	±10 mm	
	Tilting adjustment range	±0.5°	
	Max. loading weight	500 kg	
	Permissible eccentric weight	10,000 kg/mm	



Roundness alignment function makes contour roughness measurement easy.