

Roundtest RA-H5200 SERIES 211 — Roundness/Cylindricity Measuring System



RA-H5200AS
with side table

SPECIFICATIONS

Model No.		RA-H5200AS		RA-H5200AH	
Turntable	Rotational accuracy (JIS B 7451-1997)	Radial direction	(0.02 + 3.5H/10000) μm H: Probing height (mm)		
		Axial direction	(0.02 + 3.5X/10000) μm X: Distance from the center of rotation (mm)		
	Maximum loading mass	80 kg (On auto-centering: 65 kg)			
	Maximum probing diameter	ø400 mm			
Vertical movement (Z-axis column unit)	Vertical travel	350 mm		550 mm	
X axis	Travel range	225 mm (-25 mm to +200 mm from the rotation center)			
Detector	Measuring range	Standard	±400 μm/±40 μm/±4 μm		
		Tracking	±5 mm		

Roundtest RA-2200 PLUS SERIES 211 — Roundness/Cylindricity Measuring System



RA-2200AH PLUS
System vibration isolator (with side table)

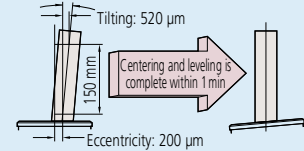


SPECIFICATIONS

Model No.		RA-2200AS PLUS		RA-2200AH PLUS	
Turntable	Rotational accuracy (JIS B 7451-1997)	Radial direction	(0.02 + 3.5H/10000) μm H: Probing height (mm)		
		Axial direction	(0.02 + 3.5X/10000) μm X: Distance from the center of rotation (mm)		
	Maximum loading mass	30 kg			
	Maximum probing diameter	ø256 mm			
Vertical movement (Z-axis column unit)	Vertical travel	300 mm		500 mm	
X axis	Travel range	175 mm (-25 mm to +150 mm from the rotation center)			
Detector	Measuring range	Standard	±400 μm/±40 μm/±4 μm		
		Tracking	±5 mm		

A high-performance automatic system equipped with a high-speed automatic centering/leveling function achieves the world's highest-level of accuracy.

- High-speed automatic centering/leveling function contributes to a significant reduction in the man-hours required for setups.



- A fully automatic system which performs processing automatically from part program calling, centering/leveling, measurement, calculation, all the way through to printing.
- Capable of continuous inside/outside diameter measurement without changing the detector orientation (up to 50 mm ID).
- The automatic positioning function of the turntable enables automatic measurement in combination with table rotation and slider/column movement.
- Advanced graphical analysis such as a power spectrum chart is available.
- A sliding mechanism is incorporated in the detector holder.

- The turntable with automatic centering and leveling function is equipped as standard, which frees operators from manual centering and leveling operations.
- Automatic control of holder arm posture (vertical/horizontal) and the rotation feature of the detector (rotates in 1° increments in the range of 0 to 270°) enables continuous measurement of various feature combinations, such as OD/ID and/or top/bottom plane measurements.
- A Mitutoyo linear scale is used in the X-axis drive unit to directly detect the position of the drive unit. It guarantees the highly precise positioning vital for automatic measurement.
- A roughness detector (optional) is supported.



Refer to the Roundtest RA-2200 Series Brochure (E15001) for more details.