



An inspection certificate is supplied as standard. Refer to page U-9 for details.

- Compact body and a wide measuring range assures precision that compares well with that of higher-grade models.
- D.A.T. (Digital Adjustment Table) function aids manual workpiece centering and leveling.
- Safety mechanism provided in the detection section as a standard feature.
- A sliding mechanism (optional sliding detector holder) can be installed in the detector holder. It enables one-touch measurement of a workpiece with a deep hole having a thick wall, which has been difficult with the standard detector.



Refer to the Roundtest **RA-1600** Brochure (E15000) for more details.

## Roundtest RA-1600 SERIES 211 — Roundness/Cylindricity Measuring System

**MeasurLink** ENABLED  
Data Management Software by Mitutoyo



Detector safety mechanism



RA-1600

### SPECIFICATIONS

Model No.			RA-1600
Turntable	Rotational accuracy (JIS B 7451-1997)	Radial direction	(0.02 + 6H/10000) μm H: Probing height (mm)
		Axial direction	(0.02 + 6X/10000) μm X: Distance from the center of rotation (mm)
	Maximum loading mass		25 kg
	Maximum probing diameter		ø280 mm
Vertical movement (Z-axis column unit)	Vertical travel		300 mm
X axis	Travel range		165 mm (-25 mm to +140 mm from the rotation center)
Detector	Measuring range	Standard	±400 μm/±40 μm/±4 μm
		Tracking	±5 mm

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

**MeasurLink** ENABLED  
Data Management Software by Mitutoyo

Achieved the world's highest level of accuracy for this class of machine. A high-performance automatic system equipped with a high-speed automatic centering/leveling function.

- 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 power spectrum chart is available.
- A sliding mechanism is incorporated in the detector holder part.



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



RA-2200 AS  
System vibration isolator (with side table)



RA-2200 AS  
System vibration isolator (monitor arm type)\*  
\* Printer table (provided by the customer) not shown.

### SPECIFICATIONS

Model No.			RA-2200AS	RA-2200DS	RA-2200AH	RA-2200DH
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		ø300 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			