MeasurLink® ENABLED
Data Management Software by Mitutoyo

PROPRIETARY INSPECTION CERTIFICATE

ROUNDTRACER EXTREME
SERIES 211 — CNC Roundness/Cylindricity Measuring System

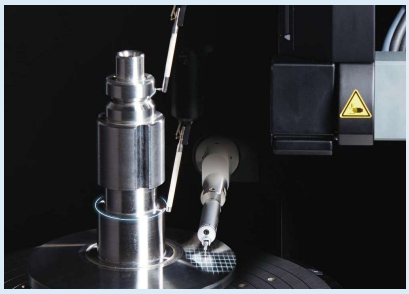
RTX-0605-A

SPECIFICATIONS

Model No.			RTX-0605-A
Turntable	Rotational accuracy (JIS B 7451:1997)	Radial direction	(0.02 + 3.5H/10000) µm H: Probing height (mm)
		Axial direction	(0.02 + 3.5R/10000) µm R: Measuring radius (mm)
	Maximum loading mass		60 kg
	Maximum probing diameter		ø680 mm
Vertical movement (Z-axis column unit)	Travel range		550 mm
X axis	Travel range		197 mm (-33 mm to 164 mm from the rotation center)*
Detectors	Measuring range		±400 µm/±40 µm/±3.6 µm

* Value when the measuring system is mounted with a roundness detector and a standard stylus, and is in the outside diameter measuring position with the stylus at 0°.

- ROUNDTRACER EXTREME models are triple-role CNC profile measuring systems that integrate the roundness and cylindricity measuring capabilities of our ROUNDTEST models and the contour and surface roughness measuring capabilities of our hybrid, dual-role FORMTRACER models to measure surface roughness, contour, roundness, and cylindricity.



- Measurement repeatability is improved as a result of the newly developed centring mechanism and optimized slider structure.
- A detector holder with motorized sliding function enables continuous inside and upper surface measurement of thick workpieces.

- Measurement throughput is improved as a result of the increased drive speeds of each axis and the addition of new functions and technologies.
- The incredibly high throughput is the result of reduced positioning time by CNC control, a highly rigid centring table, reduced waiting time until measurement start, and best-in class drive speeds.

Refer to the ROUNDTRACER EXTREME Brochure (**E15032**) for more details.