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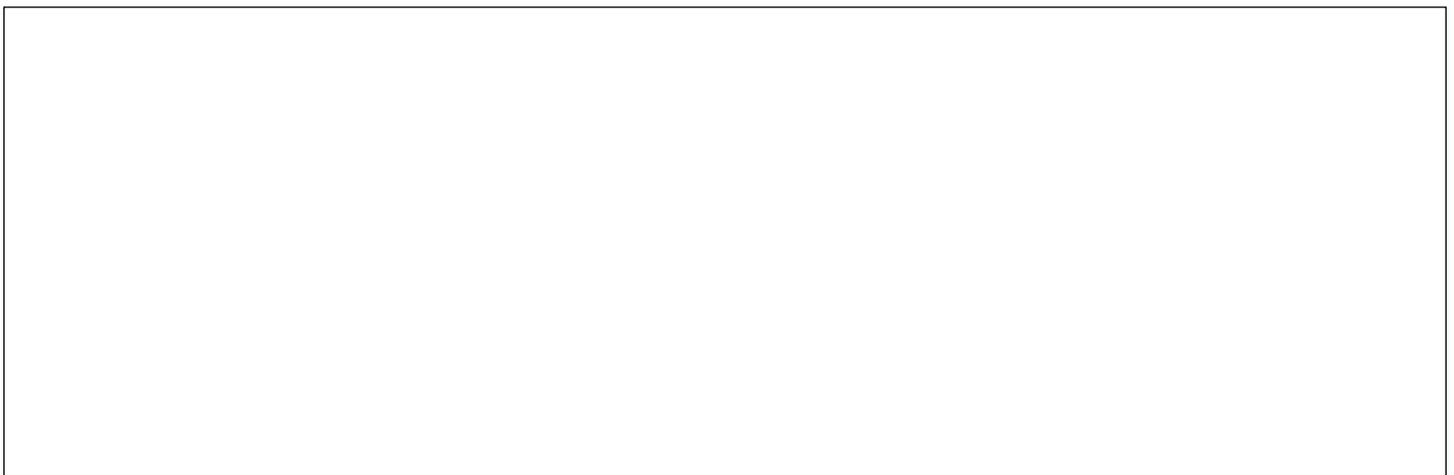
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RONDCOM NEX Rs

ENGLISH

NEW

Roundness and Cylindrical Profile
Measuring Instruments

RONDCOM NEX Rs



TOKYO SEIMITSU

High accuracy roundness and roughness measuring machine

RONDCOM NEX Rs

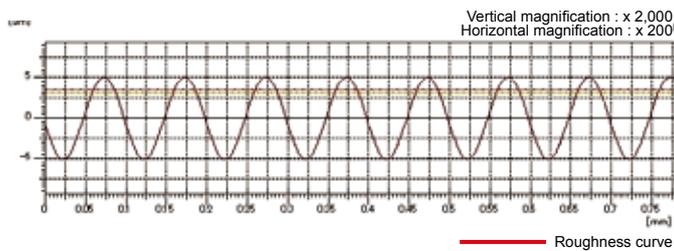
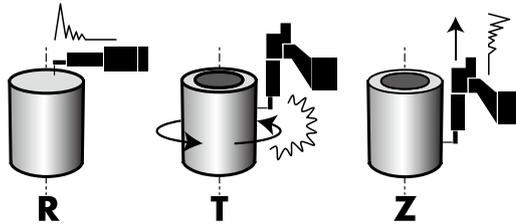
It responds to high-precision of parts by downsizing work, and realizes top class rotation accuracy $0.02 + 3.2 H/10000 \mu\text{m}$.

High accuracy roughness measurement

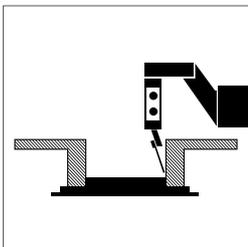
Achieve high accuracy roughness measurement in R-axis, T-axis and Z-axis.



Measurement example)
R axis direct operated roughness measurement (roughness specimen)



RONDCOM NEX Rs



Offset type detector holder **PATENTED**

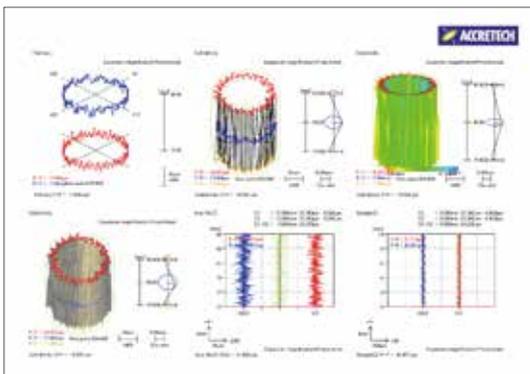
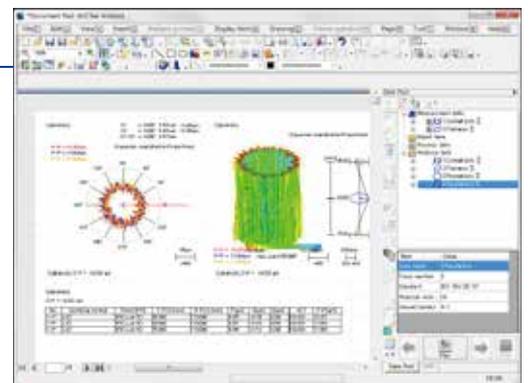
Various workpieces can be measured easily without interference from the R-axis arm. You can switch between outside diameter measurement and top flatness measurement just by tilting the detector holder.

Software



Integrated Analysis Software ACCTee

New Measurement Style with New Concept

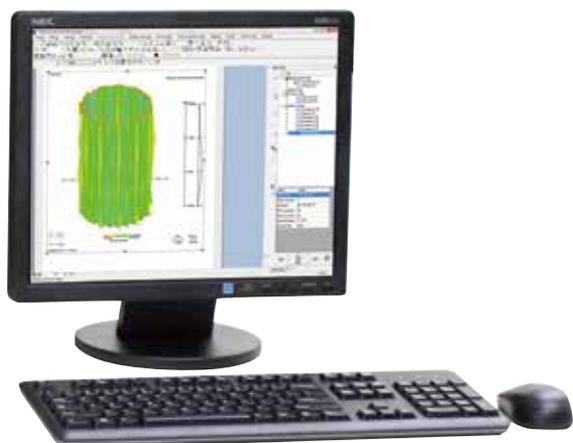
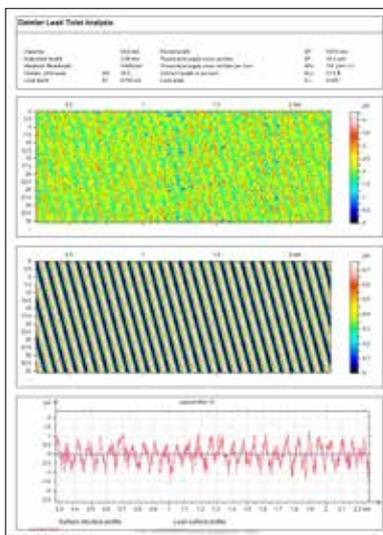


Easy-to-Use Interface for Leading-Edge Operability

ACCTee is equipped with a Windows style user interface that is easy for anyone to understand and use. User-friendly and intuitive icons guide you through a series of operations from measurement to the printing of analysis results.

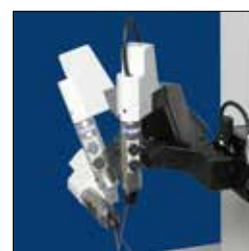
Lead twist measurement (Optional)

Measure cylindrical shaft's periodic and fine twist structure. An analysis is available by visualizing the twist structure.



Offset type CNC detector holder (Optional) **PATENTED**

Detector positioning for ID/OD measurements, top/under/ tapered surfaces measurements, and so on can be controlled automatically. The same detector is used with all standard type instruments and is also available after upgrades. Once you have both a standard model and the CNC holder model, maintenance costs are reduced.



Specifications

Model		RONDCOM NEX
Measuring system		CNC and manual
Measuring range	Max. measuring diameter	Φ 300 mm
	Up/down feed range (Z-axis)	300 mm
	Radial feed range (R-axis)	180 mm
	Max. loading diameter	Φ 580 mm
	Max.measuring height	300 mm
Rotation accuracy	Radial direction H: Measuring height (mm)	(0.02 + 3.2 H/10,000) μm (Gaussian 15 UPR)
	Axis direction R: Measuring radius (mm)	(0.02 + 3.2 R/10,000) μm (Gaussian 15 UPR)
Straightness accuracy	Up/down direction (Z-axis)	0.10 μm/100 mm 0.15 μm/300 mm
	Radial direction (R-axis)	0.7 μm/180 mm
Parallelism accuracy	Up/down direction (Z-axis)	0.7 μm/300 mm
Perpendicularity accuracy	Radial direction (R-axis)	1.0 μm/150 mm
Move speed	Rotation speed (T-axis)	Max: 20/min 1 to 10/min(Rotational measurement) 0.01 to 1/min(Roughness measurement)
	Up/down direction speed (Z-axis)	Max: 60 mm/s 0.5 to 10 mm/s (Rectilinear measurement) 0.1 to 1.5 mm/min (Roughness measurement)
	Radial direction speed (R-axis)	Max 30 mm / s 0.5 to 10 mm/s (Rectilinear measurement) 0.1 to 1.5 mm/min (Roughness measurement)
Rotary table	Table outside diameter	Φ 235 mm
	Adjustment range of centering/tilting	±5 mm/±1°
Max. load capacity		300 N
Measuring range		±1000 μm, ±200 μm
Special function		Offset type CNC detector holder (Optional)
Other	Power supply (Voltage to be specified)	AC 100 V to 240 V, 50/60 Hz (Grounding required)
	Air consumption volume	30 NL/min
	Installation dimensions (W x D x H) mm	720 (W) x 580 (D) x 895 (H)
	Weight (except options)	180 kg