

A blue circular badge with the word "NEW" in white capital letters.

Roundness and Cylindrical Profile
Measuring Instruments

RONDCOM 65B

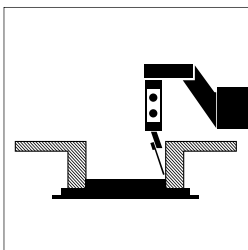


RONDCOM 65B

Pursuit of perfection level as the flagship machine
High-end roundness measuring machine

Features

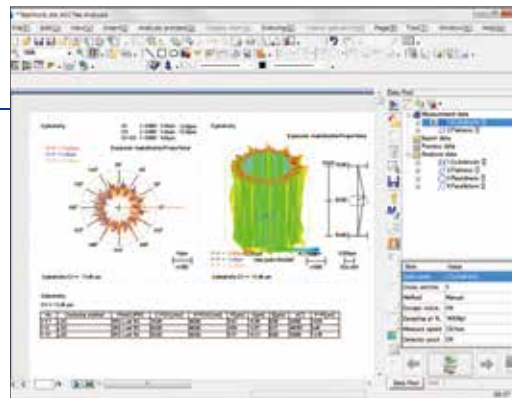
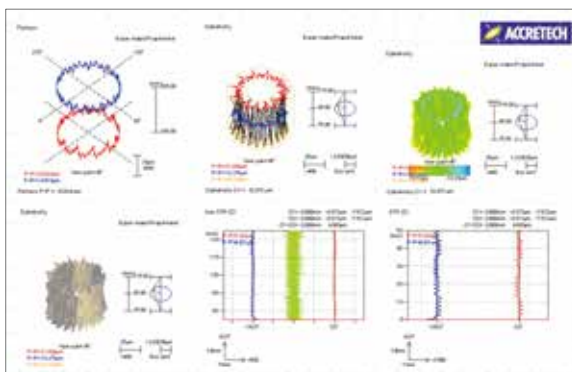
- **High accuracy**
Highest rotation accuracy in this class : 0.01 μm
- **High throughput**
Centering and tilting within 60 second. It realize high efficiency and save total measuring time.
- **Robust high accuracy and high rigidity structure**
Gabbro with minimal susceptibility to age-related deterioration is used in the column, base and arm which guarantee top-class high accuracy over time.
- **Sophisticated new design**
Brand-new and rich design which is worthy for flagship machine
- **Offset type detector holder (Optional) 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

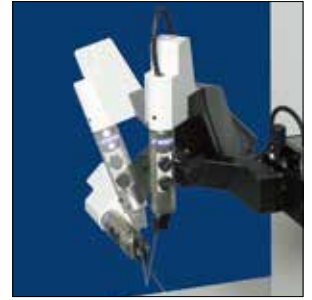


Easy-to-Use Interface for Leading-Edge Operability

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.

■ Offset type CNC detector holder (optional) **PATENTED**

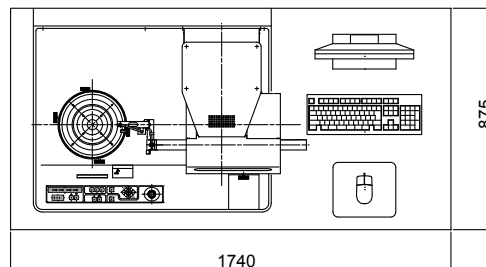
Detector positioning for ID/OD measurements, top/under/ tapered surfaces measurements, and so on can be controlled automatically. The same detector is used with all standard type instruments and is also available after upgrades. Once you have both a standard model and the CNC holder model, maintenance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



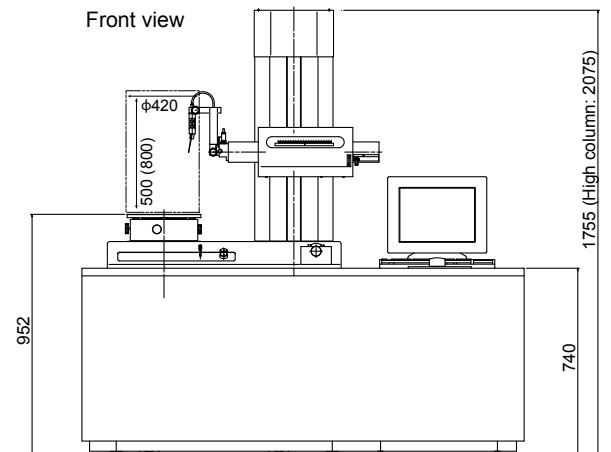
External View



Top view



Front view



Specifications

Model			ROND COM 65B	
			High column	
Measuring system			CNC and manual	
Measuring range	Max. measuring diameter		Φ 420 mm	
	Radial feed range (R-axis)		220 mm	
	Up/down feed range (Z-axis)		500 mm	800 mm
	Max. loading diameter		Φ 680 mm	
	Max. measuring height		500 mm	800 mm
Rotation accuracy	Radial direction H: Measuring height (mm)		(0.01 + 4H/10,000) μm (15 peals/rotation,Gaussian)	
	Axis direction R: Measuring radius (mm)		(0.03 + 4R/10,000) μm (15 peals/rotation,Gaussian)	
Straightness accuracy	Up/down direction (Z-axis)		0.05 μm/100 mm 0.2 μm/500 mm	0.1 μm/100 mm 0.5 μm/800 mm
	Radial direction (R-axis)		0.5 μm/200 mm	
Parallelism accuracy	Up/down direction (Z-axis)		1.5 μm/500 mm	
Perpendicularity accuracy	Radial direction (R-axis)		0.5 μm/200 μm	
Move speed	Rotation speed (T-axis)		Max: 20/min 2 to 10/min (Rotational measurement)	
	Up/down direction speed (Z-axis)		Max: 30 mm/s 0.6 to 6 mm/s (Rectilinear measurement)	
	Radial direction speed (R-axis)		Max: 20 mm/s 0.6 to 6 mm/s (Rectilinear measurement)	
Rotary table	Table outside diameter		Φ 290 mm	
	Adjustment range of centering/tilting		±5 mm/±1°	
Max. load capacity			60 kg	
Special function			Offset type detector holder (Optional) Offset type CNC detector holder (Optional)	
Other	Power supply	Voltage (V), Frequency (Hz) (Voltage to be specified)	Single-phase AC 100 V to 240 V ±10%, 50/60 Hz (Grounding required)	
	Air consumption volume		49 NL/min	
	Installation dimensions (W x D x H) mm		1740 (W) x 875 (D) x 1755 (H)	1740 (W) x 875 (D) x 2075 (H)
	Weight (except options)		810 kg	930 kg

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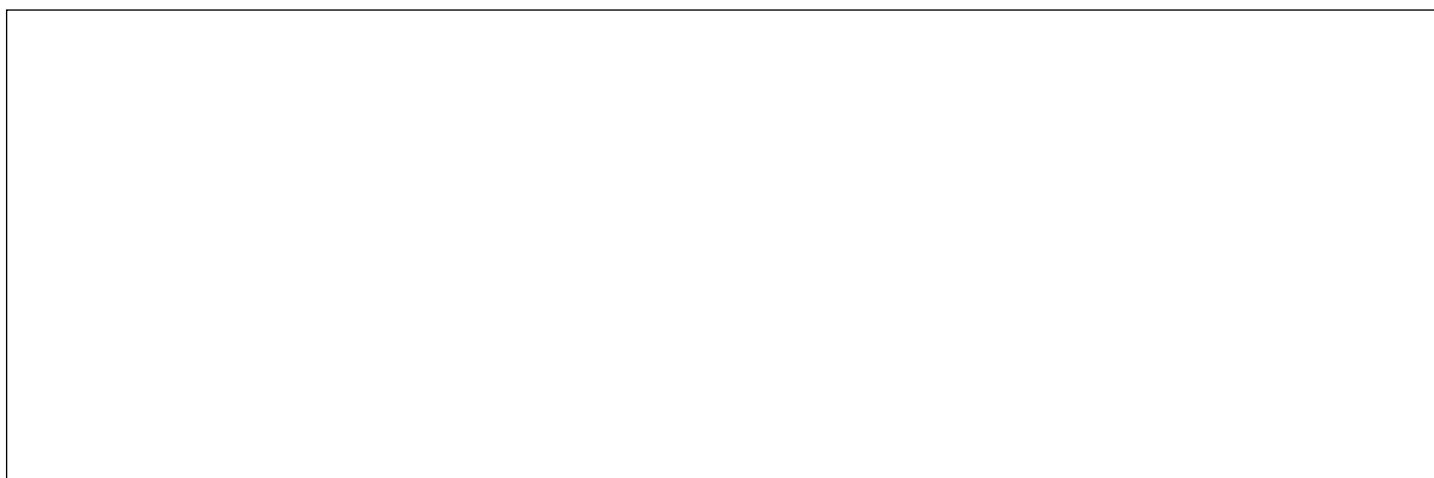
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