



RONDCOM TOUCH

Dedicated catalog is available.

**Guaranteed accuracy temperature range
between 15 to 30 °C**
**New Entry Model Standard Pursuing Low
Price and Ease of Use**



*The stand for tablet PC is optional.

Able to select data processing device

3 types of data processing devices (Desktop PC, Laptop PC and Tablet PC) are available. You may select which device to use depending on the usage or installation space.



All Necessary Icons on One Screen

ACCTee, roundness measurement and analysis software highly reputed for its operability, was modified to be used exclusively for RONDCOM TOUCH. The operation was made smoother by integrating the icons necessary for measurement and analysis into a single screen.

Four buttons necessary for measurement

- 1 [Measurement Button] Displays measurement screen.
- 2 [Print Button] Displays print start screen.
- 3 [Alignment Assist Button] Displays alignment assist screen.
- 4 [Calibration Button] Displays detector calibration button.

If you are in trouble

[Help Button] Displays operational instruction.

Main screen

Four tabs necessary for data analysis

[Layout] Selects ledger layout (left figure).

[Menu] Enables addition of display items, saving and reading of documents, etc.

[Data Pool] Displays list of actually executed operations, such as measurement and analysis.

[Smart Tool Bar] Enables editing of analysis area data (changing waveform color and addition of displayed parameters, etc.)

To edit document layout

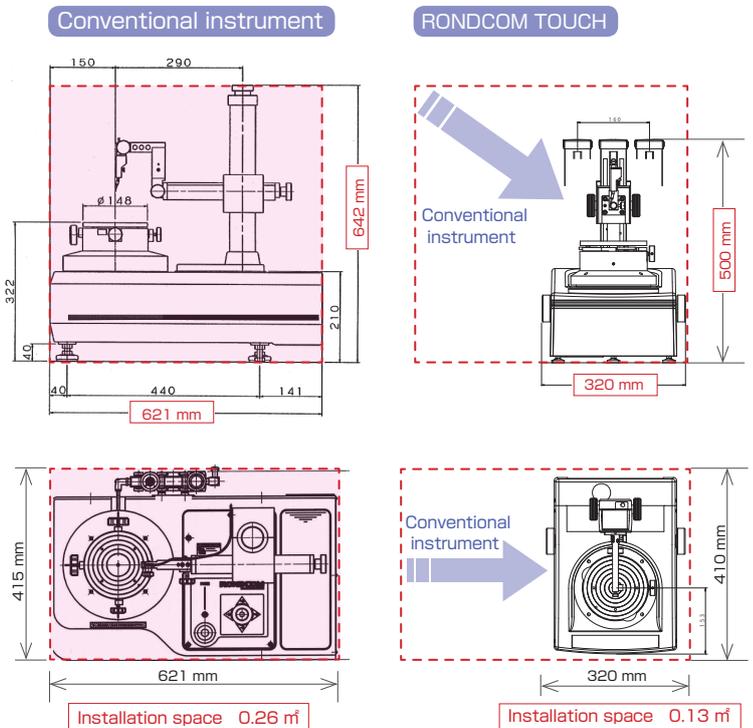
[Analysis Area] Displays print layout.

Class smallest design that uses the world first column moving type structure patented

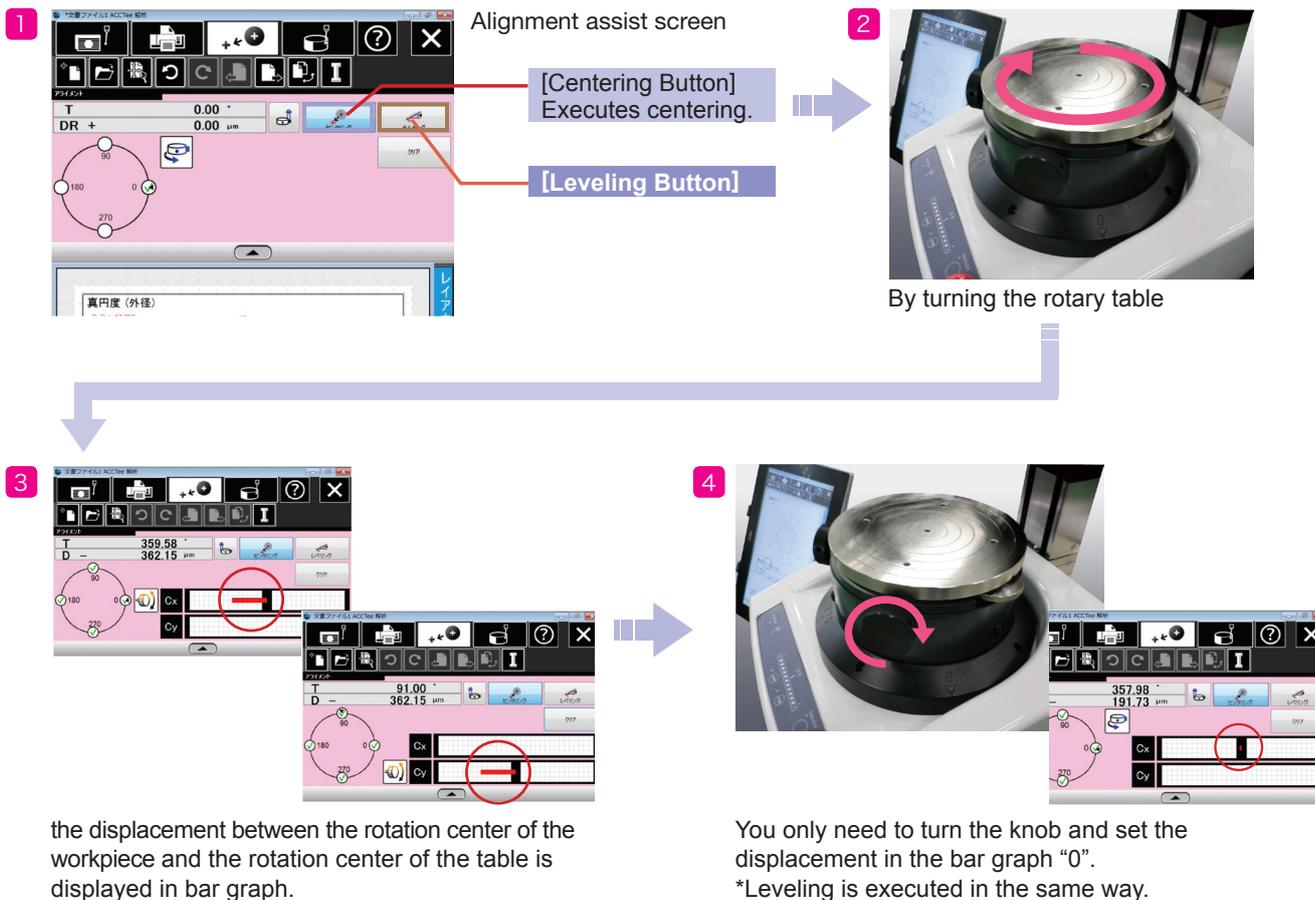
It uses an original column-moving structure and arrangement of the X-axis behind the base has realized a compact design, making it the smallest-in-class.

- Width: 320 mm (49% less than conventional model)
- Height: 500 mm (22% less than conventional model)
- Footprint: 50% less than conventional model

Also, since the Z-axis column can be moved to the left and right, it is possible to access the workpiece both from the right and from the left.



Alignment Assist Function (standard function) (patented)



Multi Languages (standard)

Available in any of following languages and able to use anywhere in the world.
(Please consult our sales personnel in advance if you are taking out of Japan)



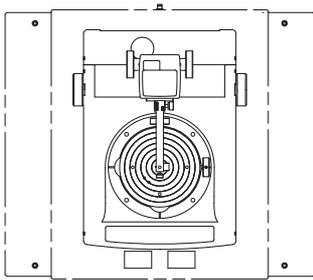
Available Languages

Japanese, English, German, French, Italian, Spanish, Chinese, Korean, Czech, Polish and Portuguese

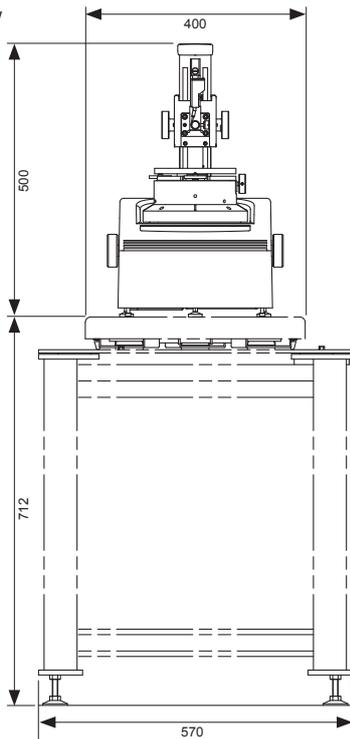


External view

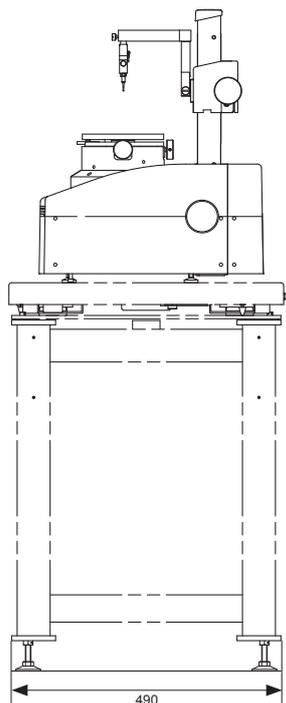
Top view



Front view



Side view



Specifications

Model		RONDCOM TOUCH	
Measuring system		Manual	
Measuring range	Max. measuring diameter	Φ 150 mm	
	Right/left feed range (X-axis)	±80 mm (Manual)	
	Up/down feed range (Z-axis)	160 mm (Manual)	
	Max. loading diameter	Φ 240 mm	
	Max. measuring height	160 mm	
Rotation accuracy JIS B 7451-1997	Radial direction	(0.04 + 6H/10,000) μm H: Measurement height [mm]	
	Axial direction	(0.04 + 6R/10,000) μm R: Measuring radius [mm]	
	Accuracy guaranteed temperature	15 to 30 degrees	
Measurement speed	Rotational direction (θ-axis)	6/min Fixed	
Rotary table	Table outer diameter	Φ 148 mm	
	Adjustment range of centering/tilting	±2 mm/±1° *With fixed point structure	
	Loading mass	15 kg	
Detector	Detection range	±400 μm	
	Measuring force	70 mN	
	Stylus shape	Φ 1.6 mm Carbide ball	
	Stylus length	17 mm	
Data processing device		Tablet PC, Windows PC, Laptop PC	
OS		Windows®	
Communication function	Wireless*1	Bluetooth®	
	Wired	USB 2.0	
Measurement analysis software		ACCTee R-TOUCH ver.	
Type of filter	Digital filter	Gaussian/Phase compensation 2RC/Spline/Robust (Spline)	
Cutoff value	Rotational direction (θ-axis)	Low pass	15, 50, 150, 500 peaks/rotation settable any value in range 15 to 500 peaks/rotation
		Band pass	15 to 500 peaks/rotation
Display magnification		10 to 220 k (22 levels), Auto	
Roundness evaluation of form error		MZC (min. zone circle method), LSC (least square circle method), MIC (max. inscribed circle method), MCC (min. circumscribed circle method), N.C. (no compensation)	
Measuring items	Rotational direction	Roundness, flatness, parallelism, concentricity, coaxiality, squareness, thickness variation, run-out	
Analysis processing functions		notch function (level, angle, cursor), profile characteristic graph display (bearing area curve, amplitude distribution function, power spectrum) Gear analysis	
Special function		Alignment assist function, error judgment function, security function	
Display unit		Tablet PC: 10.1 inch TFT color LCD with Touch panel (capacitive sensing) Desktop PC: 19 inch LCD monitor Laptop PC: 15.6 inch LCD	
Recording system		Color printer (optional)	
Other	Power supply (Voltage to be specified)	AC100 to 240 V ±10% 50/60 Hz	
	Power consumption	max. 50 VA (except for printer and tablet PC)	
	Air supply	Supply pressure: 0.30 to 0.7 MPa Working pressure 0.25 MPa	
	Air consumption volume	30 NL/min	
	Supply position	Measuring unit rear surface	
	Air supply connecting nipple to main unit	One-touch pipe joint for outer diameter Φ 8 mm hose	
	Measuring unit	W320 x D410 x H500 mm	
Weight	Approx. 26 kg		

*1 Wireless data communication is only available with Tablet PC