



# RONDCOM TOUCH



New Entry Model Standard Pursuing Low Price and Ease of Use

## Compact Design Makes It Smallest in the World

The horizontal width (320 mm) is 49% less, the height (500 mm) is 22% less and the footprint is also 50% less than the previous model.

## World's First Column Moving Structure (patent pending)

Adopted a structure enabling access from both right and left directions. Enables flexible access to workpieces.

## Adopted Tablet PC

Easy operation with tablet PC touch panel. Connection to the instrument is selectable between Bluetooth wireless connection and USB connection.



## Single Screen Integrating Necessary Icons

**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.

\*The stand for tablet PC is optional.

## Newly Developed ACCTee for TABLET

Intuitive operations, such as swiping and pinching, enhance smoothness in measuring operations.

## Available in Multiple Languages (Standard Function)

Available languages:  
Japanese/English/German/French/Italian/Spanish/Chinese/Korean/Czech/Polish

## Alignment Assist Function (Standard Function) (Patented)

- 1 Alignment assist screen  

[Centering Button] Executes centering.  
[Leveling Button]
- 2  

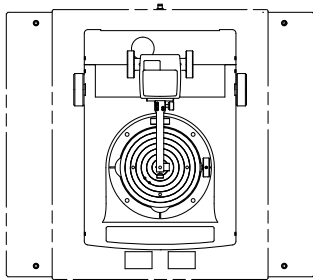
By turning the rotary table
- 3  

the displacement between the rotation center of the workpiece and the rotation center of the table is displayed in bar graph.
- 4  

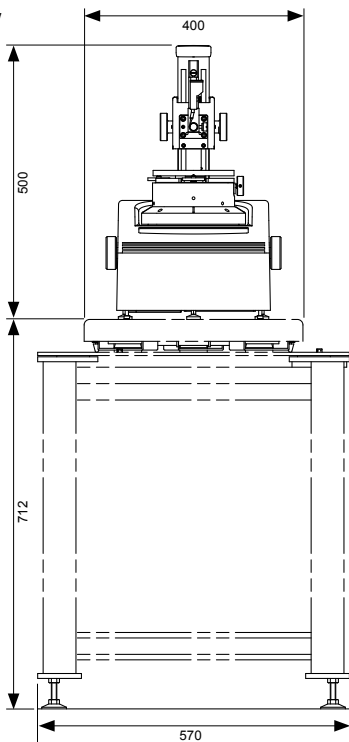
You only need to turn the knob and set the displacement in the bar graph "0".  
\*Leveling is executed in the same way.

## External view

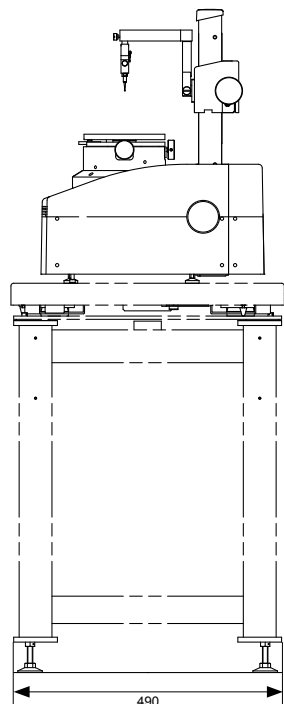
Top view



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)            | 162 mm (Manual)   |                              |
|                                    | Max. loading diameter                  | Φ 240 mm  |                              |
| Max. measuring height              |  | 160 mm  |                              |
| Rotation accuracy                  | Radial direction<br>JIS B 7451-1997    | (0.04+6H/10,000) μm<br>H: Measurement height [ mm ]   |                              |
|                                    | axial direction                        | (0.04+6R/10,000) μm<br>R: Measuring radius [ mm ]   |                              |
| Measurement speed                  | Rotational direction (θ-axis)          | 6/min Fixed   |                              |
| Rotary table                       | Table outside diameter                 | Φ 148 mm  |                              |
|                                    | Adjustment range of centering/tilting  | ±2 mm/±1°<br>*With fixed point structure  |                              |
|                                    | Load                                   | 15 kg   |                              |
| Detector                           | Detection range                        | ±400 μm   |                              |
|                                    | Measuring force                        | 70 mN   |                              |
|                                    | Stylus shape                           | Φ 1.6 mm Carbide ball   |                              |
|                                    | Stylus length                          | 17 mm   |                              |
| data processor                     |  | Tablet PC   |                              |
| OS                                 |  | Windows ®   |                              |
| Communication function             | Wireless                               | Bluetooth ®   |                              |
|                                    | Wired                                  | USB 2.0   |                              |
| Display device                     |  | 10.1 inch TFT color LCD with touch panel (capacitance)  |                              |
| Interface                          |  | USB 2.0 x 2   |                              |
| Integrated Analysis Software       |  | Tablet version ACCTee   |                              |
| Type of filter                     | Digital filter                         | Gaussian/Phase compensation<br>2RC/Spline/Robust (Spline)   |                              |
| Cutoff value                       | Rotational direction (θ-axis)          | Low pass<br>15, 50, 150, 500 peaks/rotation<br>settable any value in range 15 to 500 peaks/rotation   |                              |
|                                    | Band pass                              | 15 to 150, 15 to 500 peaks/rotation   |                              |
| Display magnification              |  | ±400 μm   |                              |
| Roundness evaluation of form error |  | MZC (min. zone circle method),<br>LSC (least square circle method),<br>MIC (max. inscribed circle method),<br>MCC (min. circumscribed circle method),<br>N.C. (no compensation) |                              |
| Measuring items                    | Rotational direction                   | Roundness, flatness, parallelism, concentricity,<br>coaxiality, squareness, thickness variation, run-out  |                              |
| Analysis processing functions      |  | notch function (level, angle, cursor),<br>profile characteristic graph display (bearing area curve,<br>amplitude distribution function, power spectrum)<br>Gear analysis        |                              |
| Special function                   |  | Alignment assist function,<br>error judgment function, security function  |                              |
| Recording system                   |  | Color or laser printer can be selected  |                              |
| Other                              | Power supply (Voltage to be specified) | AC100 to 240 V ±10% 50/60 Hz  |                              |
|                                    | Power consumption                      | max. 50 VA (Tablet PC, except printer)  |                              |
|                                    | Air supply                             | Supply pressure: 0.3 to 0.7 MPa, Working pressure: 0.25 MPa   |                              |
|                                    | Air consumption volume                 | 30 NL/min   |                              |
|                                    | Supply position                        | Measuring section rear surface  |                              |
|                                    | Nipple for air source connection       | One touch coupling for Φ 8 mm (outer diameter) hose   |                              |
|                                    | Measuring section                      | Standard  | 320(W)x 410(D)x500(H) mm     |
|                                    |  | High column   | Approx. 26 kg                |
|                                    | Tablet PC                              | Standard  | 183(W) x 15.8(D) x 263(H) mm |
|                                    |  | High column   | Approx. 1 kg                 |

 Dedicated catalog is available.