Compact Desktop Roundness Measuring Instruments with High-End Analysis Functions Offer Superior Cost Performance

Centering/Tilting/Leveling Support Functions patented
Easily adjust eccentricity and tilt between the center of rotation and the center of the workpiece simply by adjusting the displacement to zero as indicated on the bar graph in the alignment display.

Semi-Automatic Measuring Function with Specification of Measuring Height

R-axis Scale for Small, High-Accuracy Workpieces (R43C-S)

R41C Supports High Column: \( Z = 500 \text{ mm} \) (option)

All Orientation Detector (optional) May Be Provided
The detector expands the measuring range to ±1000μm and enables measuring force and front travel (stylus drop) adjustment.

**RONDCOM 43C/43C-S/41C/31C**

* Printer is optional.
Why RONDCOM 31C can measure coaxially and concentricity without cylindrical and roundness measuring functions

RONDCOM 31C is not equipped with a Z-axis column that supports measurement of roundness and parallelism. Though this means that it is not equipped with cylindricity and straightness measuring functions, coaxiality and concentricity evaluation data is only the circle center data (center point) calculated from the roundness profile of each section. Since circle center data does not fluctuate in accordance with the size of or variations in the circumference, this means that the R31C also is capable of coaxiality and concentricity measurements of center point deviation.

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Measuring system</th>
<th>Max. measuring diameter</th>
<th>Right/left feed range (R-axis)</th>
<th>Up/down feed range (Z-axis)</th>
<th>Max. loading diameter</th>
<th>Flex measuring height (0/90 measurement)</th>
<th>Rotation accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>RONDCOM 41C</td>
<td>Manual</td>
<td>φ 200 mm</td>
<td>100 mm</td>
<td>300 mm</td>
<td>φ 400 mm</td>
<td>Standard</td>
<td>(0.02±6H/10,000) μm (0.04±6H/10,000) μm</td>
</tr>
<tr>
<td>RONDCOM 43C</td>
<td>Manual</td>
<td>φ 250 mm</td>
<td>125 mm</td>
<td>200 mm</td>
<td>--</td>
<td>High column</td>
<td>--</td>
</tr>
<tr>
<td>RONDCOM 41C</td>
<td>Manual</td>
<td>φ 200 mm</td>
<td>100 mm</td>
<td>300 mm</td>
<td>φ 400 mm</td>
<td>Standard</td>
<td>(0.02±6H/10,000) μm (0.04±6H/10,000) μm</td>
</tr>
<tr>
<td>RONDCOM 31C</td>
<td>Manual</td>
<td>φ 250 mm</td>
<td>125 mm</td>
<td>200 mm</td>
<td>--</td>
<td>High column</td>
<td>--</td>
</tr>
</tbody>
</table>

### External View

**RONDCOM43C**

**RONDCOM41C**

**RONDCOM31C**

* Unspecified dimensions are the same as R43C

### Options

- Desktop anti-vibration table: E-VS-S57B
- Bench for desktop anti-vibration table: E-VS-S13A
- System rack: E-DK-S24A