

NEW PRODUCT INFORMATION

Roundtest RA-10

Compact roundness and form tester with operating console and integrated printer



Features

Touch probe system

The large measuring range of $\pm 1000 \mu\text{m}$ of the touch probe system simplifies workpiece alignment considerably. This allows a measurement starting position to be quickly reached within the measuring range, even in the case of larger form deviations.

High-precision air bearing

The precision air bearing on the RA-10 is standard and allows a rotational accuracy of $(0.04+6H/10000) \mu\text{m}$ to be achieved.

Integrated thermal printer

Quick and reliable printouts of measuring results.

ABS scale

The use of an ABS (ABSOLUTE) scale allows repeat positioning at the relevant measuring height.

Horizontal and vertical adjustment

Two rotary controls are provided (one for adjusting the height of the Z-axis and another for adjusting the radial setting of the X-axis) ensure secure positioning to attain the relevant measuring start position.

User-friendly operating panel

Large LCD display

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Model	Roundtest RA-10	
Order No.	211-601	
Rotation axis	Bearing type	Precision air-bearing
	Radial rotational accuracy	(0.04+6H/10000) μm
	Rotating speed	6 U/min
	Max. turntable loading	10 kg
	Max. measurable diameter	100 mm
Z-axis (column)	Moving distance	117 mm
X-axis	Radial moving distance	-25 mm to 50 mm
Detector system	Measuring force	70 to 100 mN
	Standard stylus tip	\varnothing 1.6 mm ball
	Measuring range	Standard: $\pm 1000 \mu\text{m}$, $\pm 100 \mu\text{m}$, $\pm 10 \mu\text{m}$ (3 steps)
Operation	Analyses	Roundness, coaxiality, concentricity, flatness and radial runout
	Data output	SPC output, USB output
	Display	LCD 117.2x88.4 mm
	Printer	Thermal printer
Weight	Main device	26 kg

Switching displays

For an easy overview, simply press a key to switch between the measuring screen and the display of the results.

LCD display / User friendly operating panel

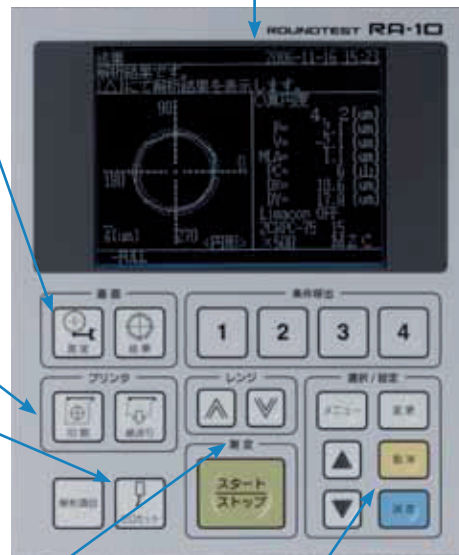
The large operating keys are organized for easy, user-friendly operation. The large LCD display offers a clear overview of the measuring results and a graphic representation of the measured profiles.

Printer

An automatic print option enables each measurement to be printed. This function can be deactivated or set to only print the desired results as selected accordingly.

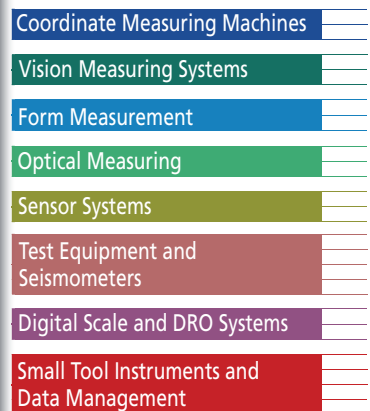
Analyses

Five features of form can be analysed: Roundness, coaxiality, concentricity, flatness and radial runout



Selection of measuring range

Setting the measurement variables



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