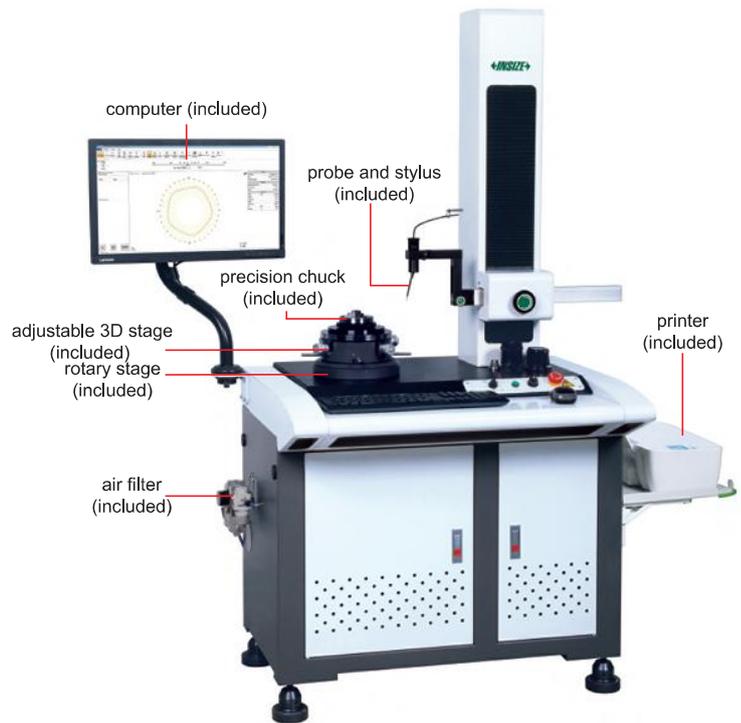


ROUNDNESS MEASURING MACHINE

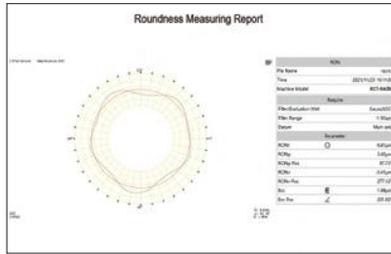
PART NO. RCT-RA260-U



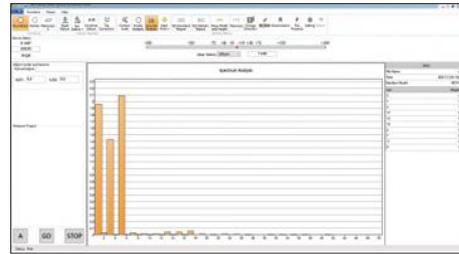
- Air-floating spindle
- Can measure roundness, concentricity, flatness, radial runout
- Spectrum analysis, automatic gap/burr removal, waveform analysis
- 4 roundness evaluation methods: smallest area method, least square method, smallest circumscribed circle method, largest inscribed circle method
- Measuring filter: 1-15 μ r, 1-50 μ r, 1-150 μ r, 1-250 μ r, 1-500 μ r, 15-100 μ r, 15-500 μ r, 2-15 μ r
- Filter form: gauss (ISO standard)
- Software is included, for measurement, analysis, data output, etc.

SPECIFICATION

Probe	measuring range	$\pm 300\mu\text{m}$
	resolution	$0.001\mu\text{m}$
	linear accuracy	0.25%
Ruby stylus	size	$\varnothing 2 \times 10\text{mm}$
	direction	two directions
	adjustable angle	$\pm 45^\circ$
X axis	travel	165mm
	excess range	25mm
	drive mode	by hand
Z axis	drive mode	motor
	travel	420mm
	movement speed	0.5~10mm/s
Rotary stage	rotation accuracy	$(0.025+6H/10000)\mu\text{m}$ for $H \leq 20\text{mm}$, H is the measuring height in mm
	rotation speed	6rpm
	max. measuring diameter	260mm
	max. workpiece diameter (rotation diameter)	400mm
Adjustable 3D stage	diameter	180mm
	adjustment range of center	$\pm 3\text{mm}$
	adjustment range of level	$\pm 2^\circ$
	weight capacity	30kg
Granite stage		700×500mm
Precision chuck	external grip diameter	$\varnothing 1 \sim \varnothing 81\text{mm}$
	internal grip diameter	$\varnothing 31 \sim \varnothing 70\text{mm}$
Air filter	pressure range	0~0.8MPa
	oil mist removal accuracy	$0.01\mu\text{m}$
	export oil mist concentration	$0.5\text{mg}/\text{m}^3$
Dimension (LxWxH)		51.2×31.3×67.5"
Power supply		110±10%V, 50Hz
Power		500W
Weight		705.5lb



measurement



spectrum analysis

STANDARD DELIVERY

Main unit	1 pc
Probe (with ruby stylus)	1 pc each
Standard block	1 pc
Precision chuck	1 pc
Adjustable 3D stage	1 pc
Rotary stage	1 pc
Computer	1 pc
Software	1 set
Printer	1 pc
Air filter	1 set
Installation tools	1 set

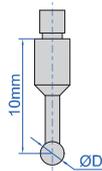


standard block (included)

OPTIONAL ACCESSORY

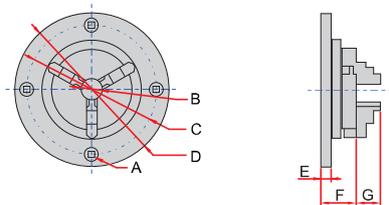
Probes	refer to details
Precision chucks	refer to details
Dryer	CMM-DRY

SPECIFICATION OF PROBES



Code	Diameter (ØD)	Remark
RCT-RA260-T1	2mm	included
RCT-RA260-T2	0.5mm	optional
RCT-RA260-T3	1mm	optional
RCT-RA260-T4	4mm	optional
RCT-RA260-T5	8mm	optional

SPECIFICATION OF PRECISION CHUCKS



(mm)

Code	A	B	C	D	E	F	G	Clamping range		Remark
								external grip dia.	internal grip dia.	
RCT-RA260-C1	M5x0.8	16	100	118	8	28	13	Ø0.8~63	Ø23~58	optional
RCT-RA260-C2	M6x1.0	20	116	143	10.5	37	15	Ø1~81	Ø31~70	included
RCT-RA260-C3	M6x1.0	26	140	168	10	39	19	Ø1~100	Ø36~90	optional