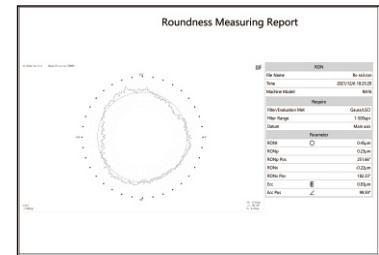
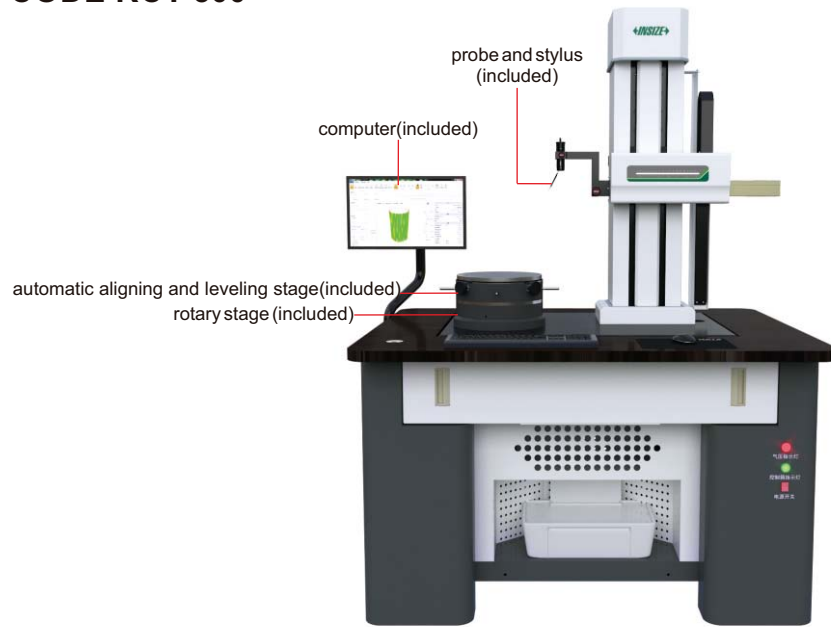
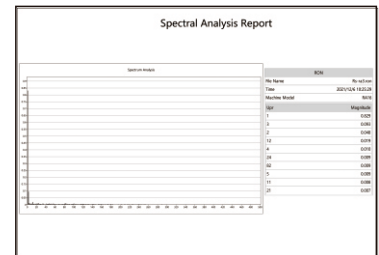


ROUNDNESS/CYLINDRICITY TESTER CODE RCT-300



measurement



spectrum analysis

- Automatic centering and leveling
- Can creat unattended measurement system
- Evaluation items
 - Cylindricity module: cylindricity, radial full run, coaxiality, taper, radius
 - Roundness module: roundness, concentricity, radial single jump, wall thickness difference
 - Straightness module: straightness, parallelism, squareness
 - Single section flatness module: single section flatness, axial single hop, perpendicularity, parallelism
 - Multi-section flatness module: multi-section flatness, parallelism, axial full runout, perpendicularity
 - Commutator module: monolithic bounce, immediate bounce, interval differenc
- Analytical ability
 - Cylindricity function: 2-10 sections, 3 evaluation methods
 - Reference benchmarks for cylindricity evaluation: LSCY, MZCY, MICY, MCCY, OSCY
 - Reference circle for roundness evaluation: LSC, MZC, MIC, MCC
 - Measurement band: 1-15upr, 1-50upr, 1-150upr, 1-250upr, 1-500upr, 15-100upr, 15-500upr, 2-15upr, 1-1500upr, custom
 - Notched measurement

SPECIFICATION

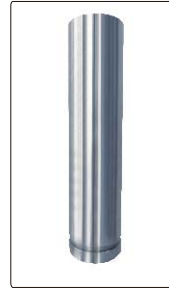
Probe	measuring range	±500µm
	resolution	1:262144
	linear accuracy	0.1%
Ruby stylus	size	Ø2x10mm
	direction	two directions
	adjustable angle	±45°
X axis	travel	165mm
	excess range	25mm
	drive mode	motor
	moving speed	0.1mm/s~50mm/s
Z axis	measuring range	300mm
	straightness	0.3µm/100mm
	movement speed	0.1~10mm/s
	movement mode	motor
Rotary stage	rotation accuracy	(0.025+6H/10000)µm for H≤20mm, H is the measuring height in mm
	rotation speed	6rpm, 8rpm, 10rpm
	max. measuring diameter	300mm
	max. workpiece diameter (rotation diameter)	450mm
Rotary axis	radial rotation accuracy	±0.0125µm
	axial runout accuracy	±0.05µm

Detector	acquisition device	circular grating
	circumferential sampling points	14400
Auto aligning and leveling stage	adjustment range of center	±3mm
	adjustment range of level	±2°
	weight capacity	20kg
Granite stage		900×500mm
Precision chuck	external grip diameter	Ø1~Ø81mm
	internal grip diameter	Ø31~Ø70mm
Air filter	pressure range	0~0.8mpa
	oil mist removal accuracy	0.01µm
	export oil mist concentration	0.5mg/m³
Dimension (LxWxH)		1680×862×1685mm
Power supply		220±10%V, 50Hz
Power		500W
Weight		350kg

To be continued

STANDARD DELIVERY

Main unit	1 pc
Probe (with ruby stylus)	1 pc each
Calibration block, Standard block	1 pc each
Precision chuck	1 pc
Auto aligning and leveling stage	1 pc
Rotary stage	1 pc
Computer	1 pc
Roundness cylindricity acquisition and analysis system	1set
Printer	1 set
Air filter	1 set
Installation tools	1set
Air flotation pad	1pc



calibration block (included)



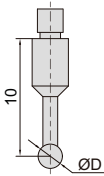
standard block (included)

OPTIONAL ACCESSORY

Probes	see below details
Precision chucks	see below details
Dryer	ISC-DRY

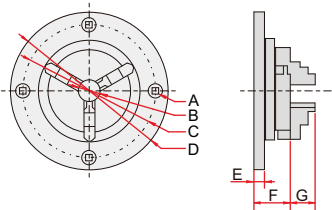
Unit: mm

SPECIFICATION OF PROBES



Code	Diameter (D)	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



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