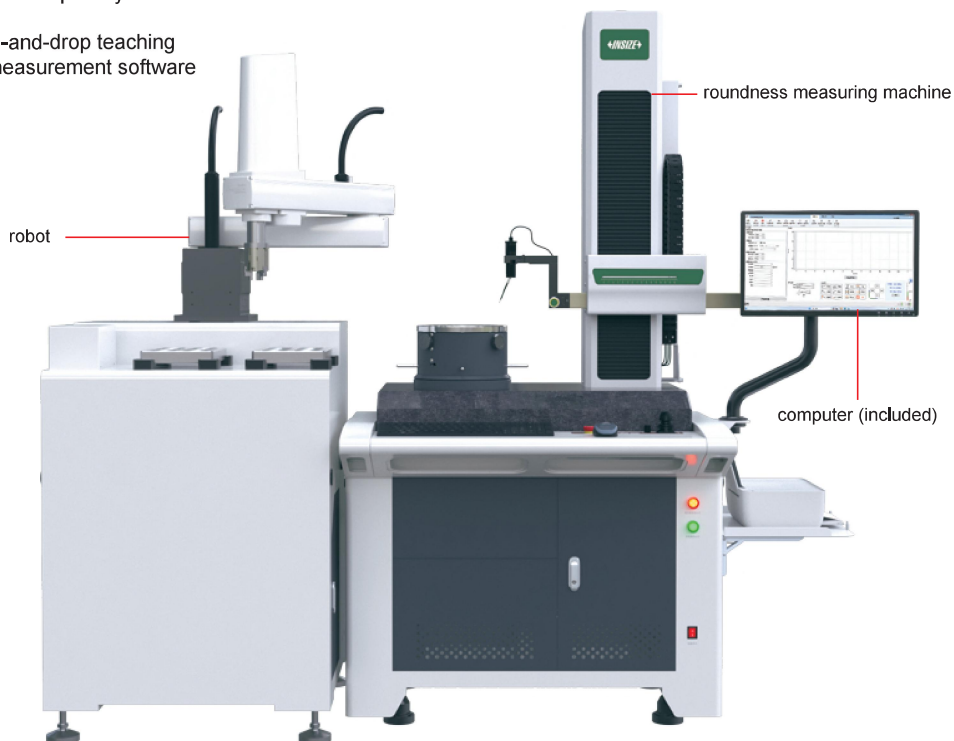


AUTOMATIC ROUNDNESS MEASUREMENT SYSTEM

PART NO. RBT-RCT01-U

CUSTOMIZED ACCORDING TO THE
CUSTOMER'S WORKPIECE

- Lightweight SCARA robot, achieving high precision and high speed, enabling measurement of a single part within 10 seconds
- Measuring equipment and automated equipment share the same controller, featuring strong anti-interference capability and stable system performance
- Automated measurement supports drag-and-drop teaching
- Motion planning can be completed by measurement software and is easy to operate



SPECIFICATION

Robot	coordinate axes	X axis	Y axis	Z axis
	robot arm spreading (mm)	500	500	200
	rotation range (°)	±135	±135	/
	motor output AC (W)	750	400	260
	repeat positioning accuracy (mm)	±0.02	±0.02	±0.01
	max. working speed (XYZ:m/sec) (R:°/sec)	8.6	8.6	2
Roundness measuring machine *	rotation accuracy	(0.05+6H/10000)μm, H is measuring height in mm		
	rotation speed	6-15rpm		
	probe measuring range	±300μm		
	probe resolution	0.001μm		
	X axis travel	165mm		
	X axis excess range	25mm		
	X axis drive mode	motor		
	Z axis drive mode	motor		
Air filter	Z axis travel	420mm		
	pressure range	0~0.8MPa		
	oil mist removal accuracy	0.01μm		
Power supply		110±10%V, 50Hz		
Output power		500W		
export oil mist concentration		0.5mg/m³		

* Different models can be selected according to the workpiece

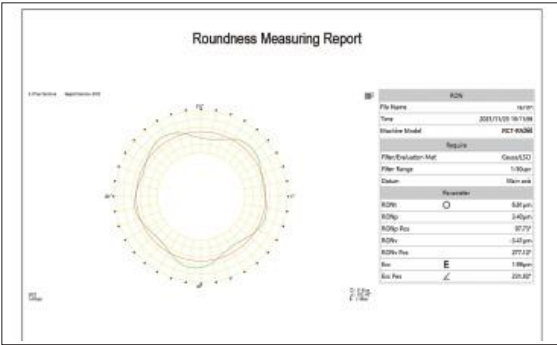
STANDARD DELIVERY

Robotic system	robot body	1 set
Roundness measuring machine	main unit	1 set
	probe (with ruby stylus)	1 set
	standard block	1 pc
	adjustable stage	1 pc
	rotary stage	1 pc
	computer	1 pc
	software	1 set
	printer	1 pc
	air filter	1 set
	installation tools	1 set

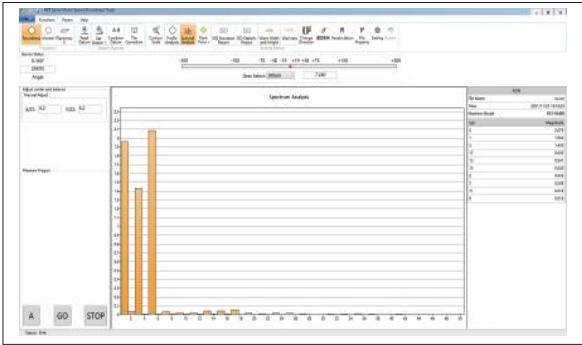
APPLICATION CASES



SOFTWARE (included)



roundness measuring



spectrum analysis