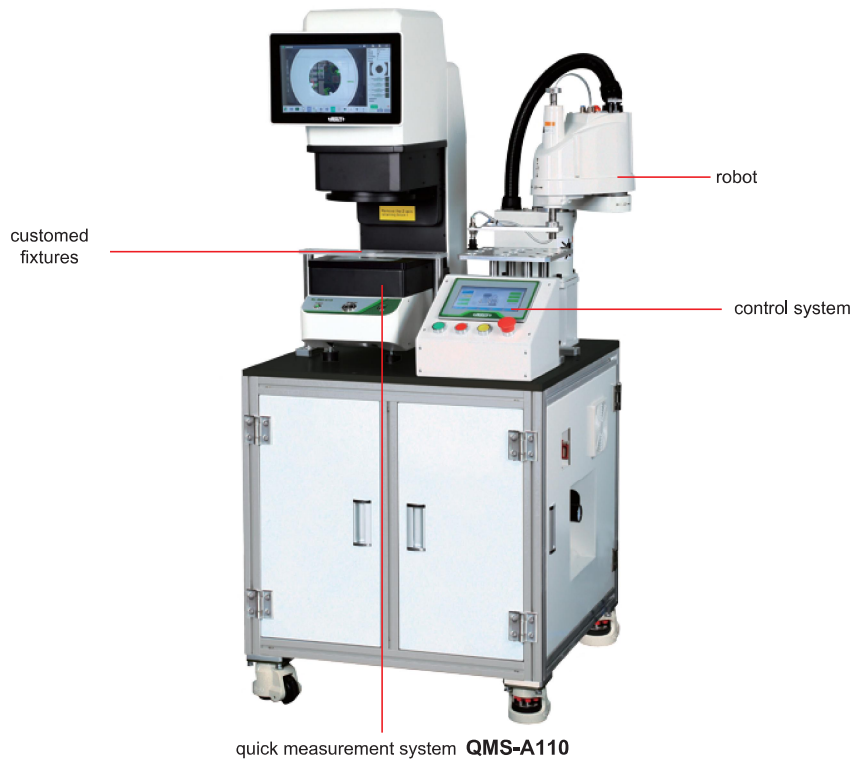


AUTOMATIC QUICK MEASUREMENT SYSTEM CODE RBT-QM02

CUSTOM-MADE



OPERATION PROCESS

- Step 1: Place the workpiece manually on the recess in the loading area
- Step 2: Press the reset button to return the robot to the initial position
- Step 3: Press the start button, the system prompts whether the workpiece is correctly placed and click OK
- Step 4: The robot picks up the workpiece and places it in the QMS test position
- Step 5: The QMS initiates a measurement and outputs the results
- Step 6: The robot removes the workpiece
- Step 7: The robot places the workpiece in the OK or NG station according to the measurement results

- Lightweight SCARA robot for high-speed and precision
- Quick measurement system automatically measures the dimensions of the workpiece and provides real-time feedback to the control system
- Control system Modbus Tcp via bus communication, high speed, high efficiency and easy to extend

SPECIFICATION

Robot	robot arm spreading	400mm
	Max working speed	7225mm/s
	Max weight of workpiece	3kg
	repeat positioning accuracy	±0.02mm
	number of control axis	4
	communication protocols	Ethernet Modbus Tcp
Quick [*] measurement system	view field	100×80mm
	measurement range	98×78mm
	measurement accuracy	±3μm
	repeatability	1μm
	measurement time	<2s
Power supply		220V, 50Hz, 3000W
Supply pressure		0.5~0.6MPa
Environmental requirement		temperature: 20°C±2°C, relative humidity: 30%~80%
Net weight		150kg

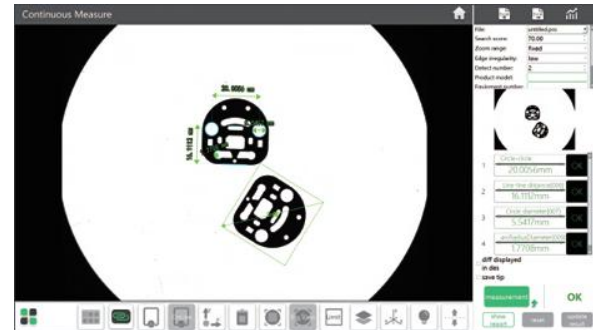
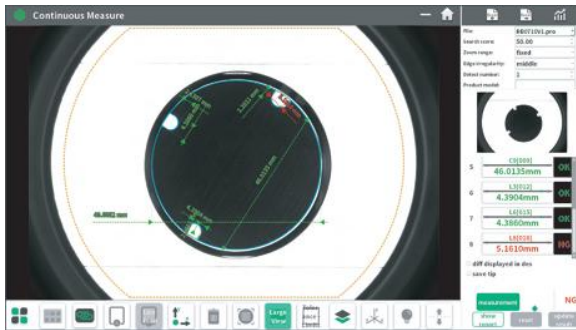
* The quick measurement system is available in different models depending on the workpiece

STANDARD DELIVERY

Robotic system	robot body
	robot control cabinet
	programming guide
Quick measurement system	main unit
	computer
Control touch screen	software and dongle
Control box	1set

Quick measurement system software (included)

- Automatically measure widths, holes, rings, angles at the same time, simple and efficient



- Measuring result can be stored automatically, OK items and NG items can be counted automatically

