AUTOMATIC QUICK MEASUREMENT SYSTEM
CODE RBT-QM01

CUSTOM-MADE

OPERATION PROCESS

Step 1: Place the workpiece manually on the positioning block in the loading area and position it on the right side against the edge.
Step 2: Press the reset button to return the robot and cylinder 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 grabs the workpiece and places it in the transplanting station.
Step 5: The transplanting station moves to the QMS test position.
Step 6: The QMS initiates a measurement and outputs the results.
Step 7: The transplanting station moves to the outer handling station and the robot removes the workpiece.
Step 8: The robot places the workpiece in the OK or NG station according to the measurement results.

- 6-axis industrial robot for high speed and precision, IP67, triple protection
- 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	727mm
	Max working speed	4000mm/s
	Max weight of workpiece	8kg
	repeat positioning accuracy	±0.02mm
	number of control axis	6
	communication protocols	Ethernet Modbus Tcp
Quick* measurement system	view field	100×80mm
	measurement range	98×78mm
	measurement accuracy	±3μm
	repeatabilitiy	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		300kg

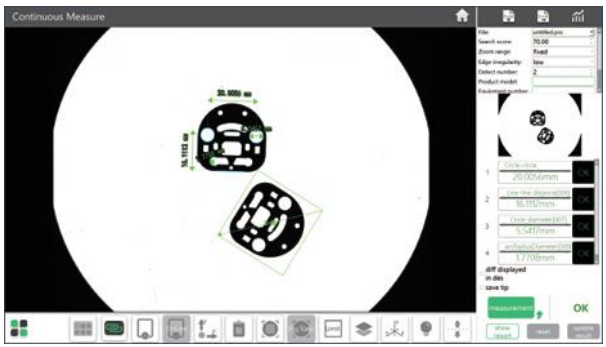
* The quick measurement system is available in different models depending on the workpiece

STANDARD DELIVERY

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

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