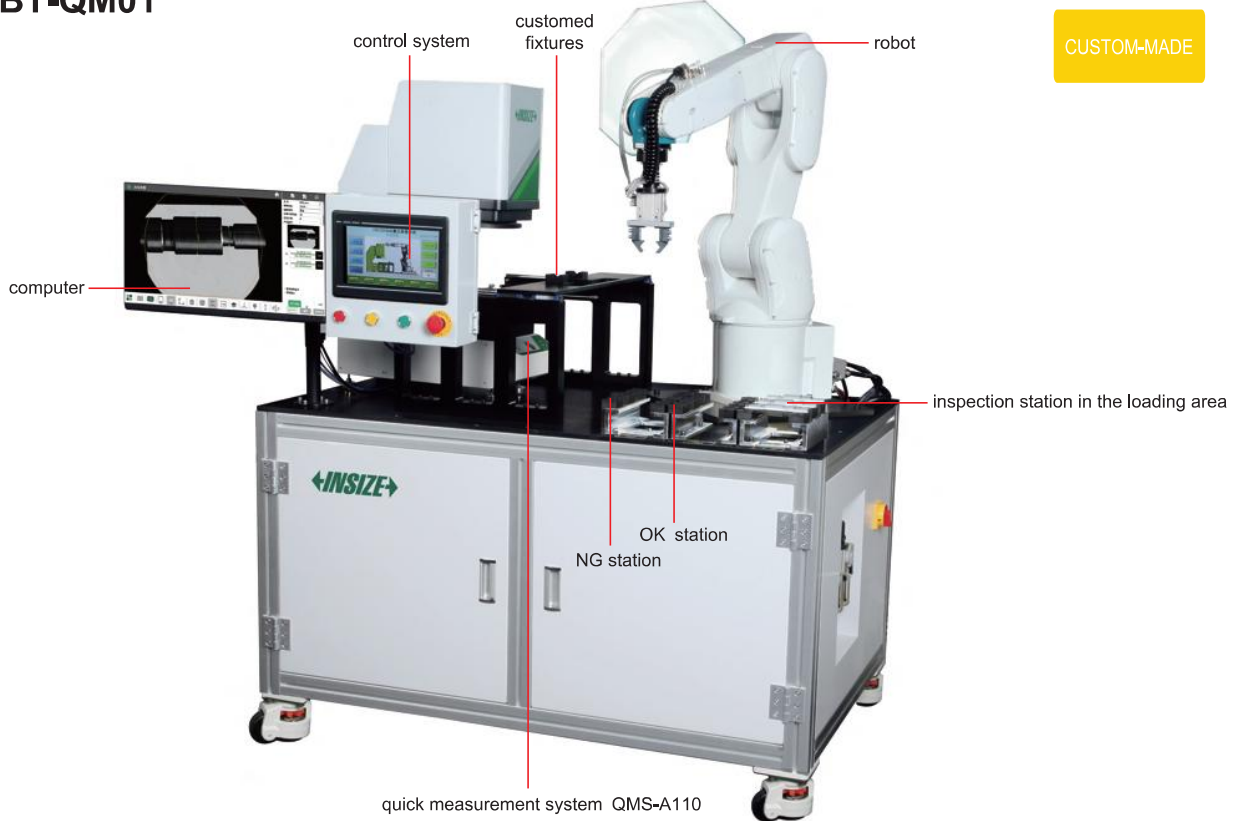


# AUTOMATIC QUICK MEASUREMENT INSPECTION SYSTEM CODE RBT-QM01

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 <sup>*</sup> 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%	
Weight	300kg	

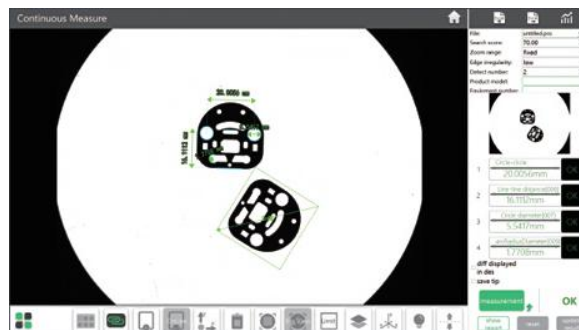
\* The quick measurement system is available in different models depending on the workpiece

## STANDARD DELIVERY

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

