

AUTOMATIC VISION MEASURING SYSTEM PART No. RBT-ISD01-U

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 grips the workpiece and places it in the fixture.
- Step 5: Workpieces are precisely positioned by fixtures.
- Step 6: The vision measuring system starts the measurement and outputs the results.
- Step 7: The vision measuring system moves to a safe position and the robot removes the part.
- 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
- Vision measuring system automatically measures the dimensions of the workpiece and provides real-time feedback to the control system
- Control system Tcp/IP via bus communication, high speed, high efficiency and easy to extend

SPECIFICATION

Robot	robot arm spreading	28.35"
	Max working speed	157.48"/s
	Max weight of workpiece	17.64lb
	repeat positioning accuracy	±.0008"
	number of control axis	6
	communication protocols	Ethernet Tcp/IP
	net weight	220.46lb
Vision [*] measuring system	measurement range	300×200×200mm
	measurement accuracy	≤(98.4+5L)μin (L is the measuring length in inch)
	repeatability	78.74μin
	Max. weight of workpiece	77lb
	dimension (L×W×H)	24.41×30.71×68.90"
	net weight	771lb
	supply pressure	0.6~0.8MPa
Environmental requirement		temperature: 68°F±9°F, relative humidity: 30%~80%
Power supply		110V, 60Hz

^{*}Different models can be selected according to the workpiece

STANDARD DELIVERY

Robotic system		robot body
		robot control cabinet
		programming guide
Vision measuring system	main unit	1 pc
	dongle	1 pc
	software	1 pc
	lens with coaxial light	1 pc
	controller	1 pc
	computer	1 pc
	calibration glass chart	1 pc
	desk	1 pc
	clay	1 pc
	anti-dust cover	1 pc
Control touch screen		1 pc
Control box		1 pc

VISION MEASURING SYSTEM SOFTWARE (INCLUDED)

