

AUTOMATIC ULTRASONIC HARDNESS TEST SYSTEM PART No. RBT-9646

CUSTOM-MADE



- 6-axis industrial robot for high speed and precision, IP67, triple protection
- Portable ultrasonic hardness test system automatically tests the hardness 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	28.35"
	max. working speed	157.48"/s
	max. weight of workpiece	17.64lb
	repeat positioning accuracy	±0.008"
	number of control axis	6
	communication protocols	Ethernet Modbus Tcp
	power supply	110V, 60Hz
	main test parameter	HV
Ultrasonic hardness tester	convertible parameters	HRA, HRB, HRC, HBW, HS, MPa
	measurement range	50-1599HV, 20-68HRC, 85-650HB, 41-100HRB, 61-85.6HRA, 34.2-97.3HS, 255-2180MPa
	resolution	1HV, 0.1HRA, 0.1HRB, 0.1HRC, 1HB, 0.1HS, 1MPa
	accuracy	±4%HV, ±4%HB, ±1.5HR
	calibration method	normal material: one-point calibration special material: multi-point calibration
	power supply	built-in rechargeable lithium battery (for 10 hours working)
	dimension of main unit (LxWxH)	7.48×3.23×1.18"
	dimension of probe	5.91×.87" DIA
	net weight	1.19lb
Power supply		110V, 60Hz
Net weight		440.92lb

STANDARD DELIVERY

Robotic system	robot body	1 pc
	robot control cabinet	1 pc
	programming guide	1 pc
Ultrasonic hardness tester	main unit	1 pc
	19.6N manual probe	1 pc
	charger	1 pc
	USB cable	1 pc
	ultrasonic hardness test block	1 pc
Control touch screen		1 pc
Control box		1 pc