

AUTOMATED XRF PLATING THICKNESS MEASUREMENT SYSTEM

CODE RBT-XRF01



- 6-axis industrial robots, achieving high precision, high speed and high flexibility
- With zoom function, it allows non-destructive testing of irregular components with depth from 0 to 70mm
- Equipped with AI image recognition function, it enables automatic, intelligent, and online detection

SPECIFICATION

Robot	max. load	6kg
	working radius	914mm
	joint range	±360°
	joint speed	J1-J2: 144°/s
		J3: 180°/s
		J4-J6: 224°/s
	TCP speed	2.8m/s
	pose repeatability	0.03mm
controlled axes	6	
communication protocol	Modbus TCP	
XRF plating thickness instrument	plating element range	Li~U
	detection limit	0.01μm
	range	0.01~80μm
	analysis time	1~40s
	detector	high-efficiency proportional detector
	collimator	Ø0.2mm
	zoom distance	0~70mm
	movement range of XY-axis	210×230mm
	movement range of Z-axis	145mm
	working environment	15~30°C, <70%RH

STANDARD DELIVERY

Robotic system	robot body	1 pc
	robot control cabinet	1 pc
	programming teaching console	1 pc
XRF plating thickness instrument	main unit	1 pc
	computer	1 pc
	software and dongle	1 set
	12-element tablet	1 pc
	Ni standard sheet	1 pc
	Ag standard sheet	1 pc