

AUTOMATIC XRF PLATING THICKNESS MEASUREMENT SYSTEM

PART No. 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 2.76"
- Equipped with AI image recognition function, it enables automatic, intelligent, and online detection

SPECIFICATION

Robot	max. load	13.23lb
	working radius	35.98"
	joint range	±360°
	joint speed	J1-J2: 144°/s
	TCP speed	J3: 180°/s
		J4-J6: 224°/s
		2.8m/s
	pose repeatability	.0012"
XRF plating thickness instrument	controlled axes	6
	communication protocol	Modbus TCP
	plating element range	Li~U
	detection limit	.394μin
	range	.394~3149.6μin
	analysis time	1~40s
	detector	high-efficiency proportional detector
	collimator	.0079"DIA
	zoom distance	0~2.76"
	movement range of XY-axis	8.27×9.06"
	movement range of Z-axis	5.71"
	working environment	59~86°F, <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