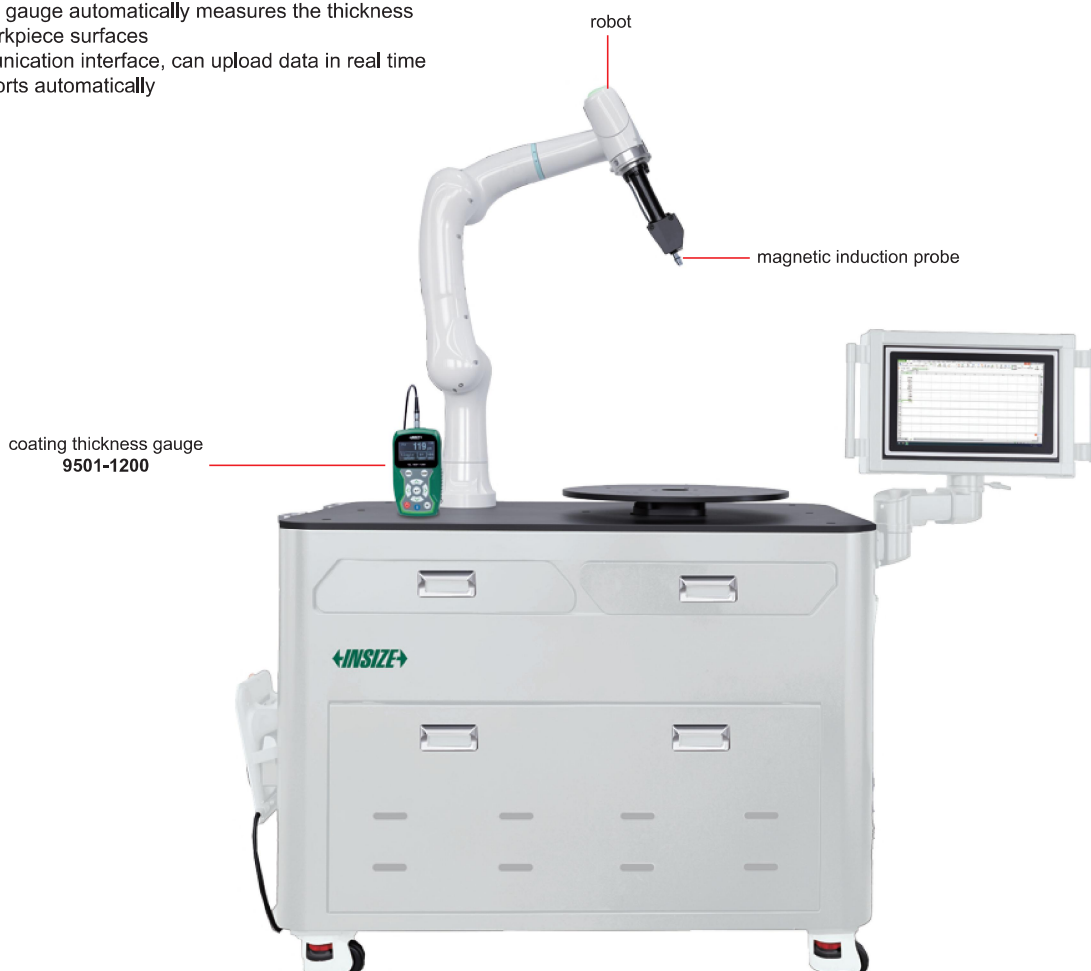


AUTOMATIC COATING THICKNESS MEASURING SYSTEM CODE RBT-9501

CUSTOMIZED ACCORDING TO THE
CUSTOMER'S WORKPIECE

- 6-axis industrial robot for high speed and precision
- Coating thickness gauge automatically measures the thickness of coatings on workpiece surfaces
- Dedicated communication interface, can upload data in real time and generate reports automatically



SPECIFICATION

Robot	robot arm spreading	919mm
	number of control axis	6
	Max. weight of workpiece	4kg
	repeat positioning accuracy	±0.03mm
	Max. working speed	2000mm/s
	IP rating	IP54
Coating thickness gauge	measuring range	refer to the specification of probes
	accuracy	±(3%L+1)μm (range≤1250μm) ±(3%L+10)μm (range>1250μm) L is measuring thickness in μm
	resolution	0.1μm (range<100μm) 1μm (range≥100μm)
	measuring mode	continuous and single
	data statistics	mean value, Max. value, Min. value, standard deviation
	storage capacity	600
	interface	Type-C
	power supply	2×1.5V AA batteries
Power supply		220V 50Hz, 3000W
Dimensions (L×W×H)		1500×1000×1400mm
Net weight		300kg

SPECIFICATION OF PROBES

Code	Range	Minimum substrate thickness	Minimum measuring area	Minimum curvature radius of convex workpiece	Probe type
9501-1200-FE (included)	0~1250μm	0.5mm	Ø7mm	1.5mm	magnetic induction probe (FE)
9501-1200-NFE (optional)	0~1250μm	0.3mm	Ø15mm	3mm	eddy current probe (NFE)
9501-1200-FE90 (optional)	0~1250μm	0.5mm	Ø7mm	—	magnetic induction probe (FE90) for bores and grooves
9501-1200-FE10 (optional)	500μm~10000μm	2mm	Ø40mm	10mm	magnetic induction probe (FE10) for large range

STANDARD DELIVERY

Robot system	robot main body	1set
	robot control cabinet	1set
	robot control software	1set
Coating thickness gauge	main unit	1pc
	magnetic induction probe (9501-1200-FE)	1pc
	zero calibration block	1pc
	calibration foils	1set
	software	1pc
	transmission cable (9501-1200-SPCA)	1pc
Measuring station trolley		1set
Computer and monitor		1set

OPTIONAL ACCESSORY

Probe	9501-1200-NFE, 9501-1200-FE90, 9501-1200-FE10 customized probe fixture is required
-------	--