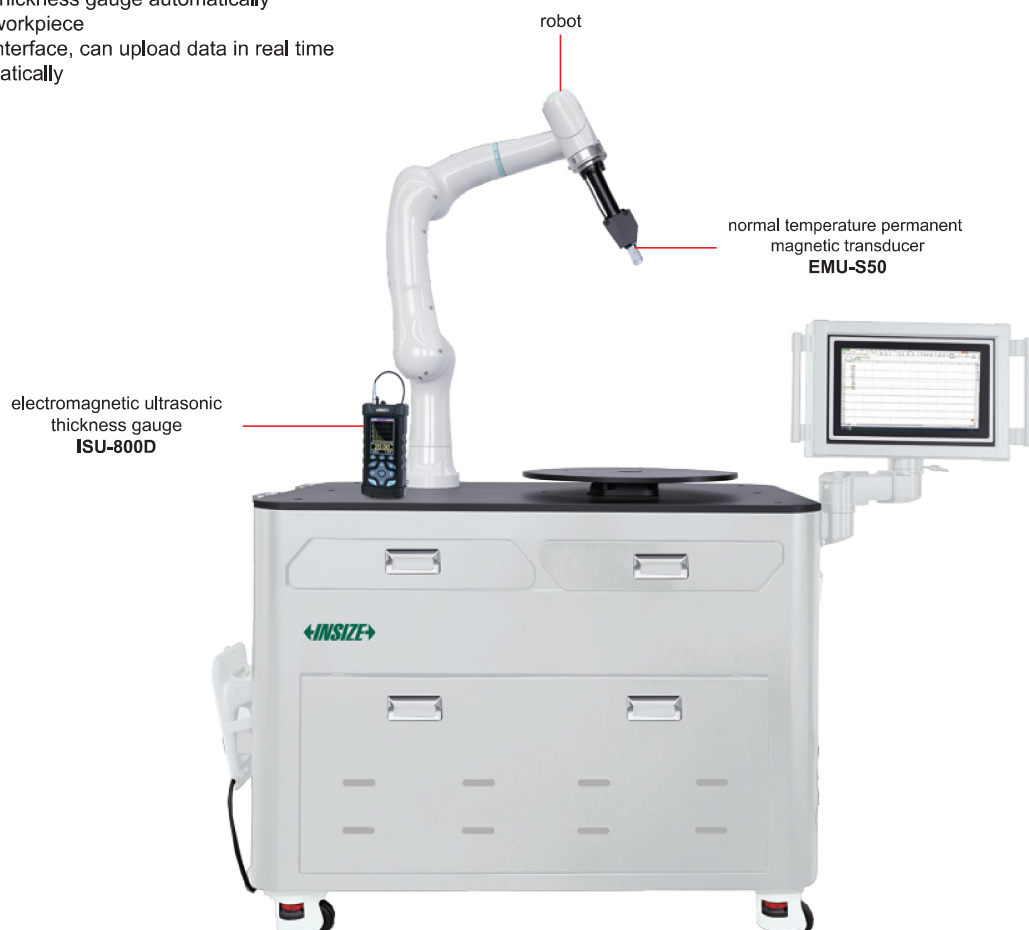


AUTOMATIC ELECTROMAGNETIC ULTRASONIC THICKNESS MEASURING SYSTEM

CODE RBT-EMU01

CUSTOMIZED ACCORDING TO THE
CUSTOMER'S WORKPIECE

- 6-axis industrial robot for high speed and precision
- Electromagnetic ultrasonic thickness gauge automatically measures the thickness of workpiece
- 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
Electro-magnetic ultrasonic thickness gauge	measuring range	1.5~200mm
	accuracy*	±0.04mm+H/1000 (H≤50mm), ±0.2mm (50<H≤100mm), ±0.3mm (100<H≤200mm)
	velocity	1000~9999m/s
	resolution	0.02mm
	working gap	normal temperature permanent magnetic probe ≤4mm high temperature permanent magnetic probe ≤2mm
	minimum required diameter	≥8mm
	excitation frequency	3.0MHz~3.9MHz
	interface	USB
power supply		rechargeable lithium battery
Power supply		220V 50Hz, 3000W
Dimensions (L×W×H)		1500×1000×1400mm
Net weight		300kg

* On C45 carbon steel

SPECIFICATION OF TRANSDUCERS

Code	Magnetism	Magnetic force	Diameter (Ød)	Applicable temperature	Application
EMU-S50 (included)	weak permanent magnet	≤15N	Ø30mm	-10~60°C	general use
EMU-S51 (optional)	weak permanent magnet	≤20N	Ø45mm	-50~800°C	for high temperature

STANDARD DELIVERY

Robot system	robot main body	1set
	robot control cabinet	1set
	robot control software	1set
Electro-magnetic ultrasonic thickness gauge	main unit	1pc
	normal temperature permanent magnetic transducer (EMU-S50)	1pc
	calibration block	1 pc
	software and USB cable	1 pc
Measuring station trolley		1set
Computer and monitor		1set

OPTIONAL ACCESSORY

High temperature permanent magnetic transducer	EMU-S51 customized probe fixture is required
Normal temperature permanent magnetic transducer sweep support	EMU-S52 customized probe fixture is required