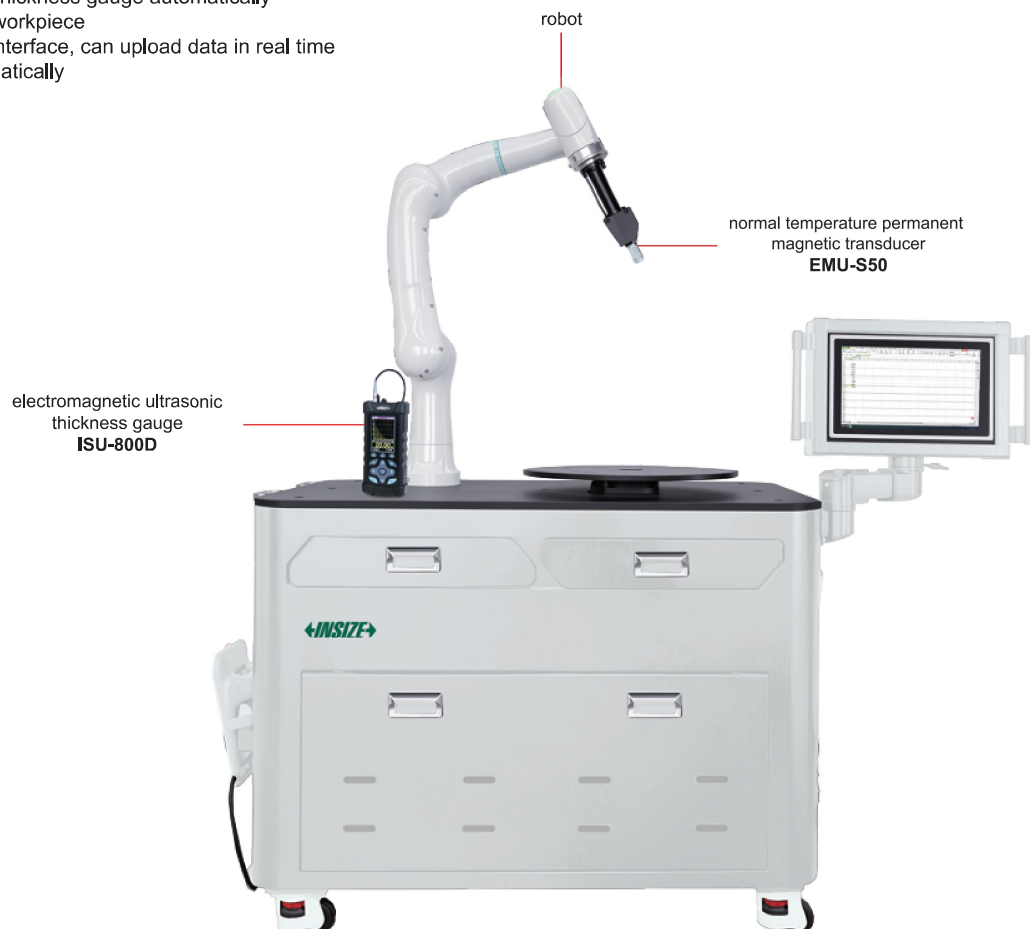


AUTOMATIC ELECTROMAGNETIC ULTRASONIC THICKNESS MEASURING SYSTEM

PART No. RBT-EMU01-U

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	36.2"
	number of control axis	6
	Max. weight of workpiece	8.82lb
	repeat positioning accuracy	±0.03mm
	Max. working speed	2000mm/s
	IP rating	IP54
Electro-magnetic ultrasonic thickness gauge	measuring range	.06~7.87"
	accuracy*	±.002"+H/1000 (H≤1.97"), ±.008" (1.97"<H≤3.94"), ±.012" (3.94"<H≤7.87")
	velocity	1000~9999m/s
	resolution	.0002"
	working gap	normal temperature permanent magnetic probe ≤.16" high temperature permanent magnetic probe ≤.08"
	minimum required diameter	≥.31"
	excitation frequency	3.0MHz~3.9MHz
	interface	USB
	power supply	rechargeable lithium battery
Power supply		110V 60Hz, 3000W
Dimensions (L×W×H)		59.1×39.4×55.1"
Net weight		661lb

* On 1045 carbon steel

SPECIFICATION OF TRANSDUCERS

Part No.	Magnetism	Magnetic force	Diameter (Ød)	Applicable temperature	Application
EMU-S50 (included)	weak permanent magnet	≤15N	1.18" DIA	14°F~140°F	general use
EMU-S51 (optional)	weak permanent magnet	≤20N	1.77" DIA	-58°F~1472°F	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