Measure and
Validate automatically
your parts at
the workshop
ISI
ROB

ISI ROB Mobile inspection station automated contactless

ISI ROB

- Designed to work in the workshop and managed by production personnel..
- Plug&Play in 3 steps: select reference, position part and execute measurement.
- The software validates the part with the GO / NO GO message.
- Automatic and network accessible 3D reports, SPC data control.
- Programming of new references agile, simple and intuitive.
- Compact and robust. Small and medium pieces up to 100 kg in weight.
- Maximum inspection volume: 600 x 600 x 750mm
- Collaborative system, does not require perimeter security.
- Portability, move the equipment where you need to perform the dimensional control.
- Comprehensive after-sales service and maintenance guarantee.

METROMECÁNICA
INDUSTRIAL METROLOGY

Technical Characteristics

UR5 collaborative robot
with 850mm reach
Repeatability +/- 0.1 mm
IP54 protection

Scanning sensor
3D Creaform Handy
Precisión 0,025 mm
Measure 1,300.000 pnt/sg
Area 310 x 350 mm

Component Integration
robust on mobile cart.
Total weight: 240kg.

Work station with
processing capacity
of point clouds

Automation Software:
Agile 3D governs all peripherals in a simple and intuitive way, simplifies tasks and reduces programming times. Includes Polyworks Inspect, 3D metrology software.

Maximum volume
of Inspection:
600 x 600 x 750mm

4 USB ports. HDMI.
Ethernet network port.
220 V power plug.
Emergency buttons.

Rotary table repeatability
±2 arcsec, maximum weight 100 Kg

Intuitive user interface, allows to measure with commands simple on touch screen

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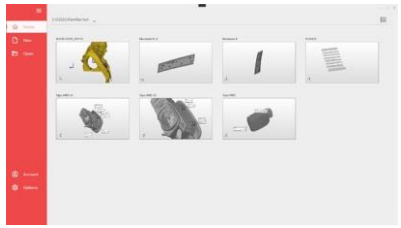
Automation Metrology Software

ISI ROB

AGILE 3D
AUTOMATION METROLOGY



- Platform for the automation of metrology processes.
- Centralizes the programming of inspection equipment, movement and metrology software.
  Validación auto
- Simple guided measurement sequences, executed by production personnel.
- Automatic validation with GO / NO GO messages.
- Simple, fast and intuitive programming of new references.
- On-site 3D graphic reports, network sharing, SPC.
- Different levels of training: production user and programming.

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Versions depending on the scanning sensor

	IsiRob HBE	**IsiRob H7E**
Sensor	Handy Black Elite	Handy Scan 700 Elite
Accuracy sphere	0,025 mm	0,030 mm
Accuracy volumetric	0,020 + 0,040 mm/m	0,020 + 0,060 mm/m
Measurement speed	1,300.000 pnt/seg	480,000 pnt/seg
Laser	11 transverse blue lasers	7 transverse blue lasers
Mesh resolution	0,1 mm	0,2 mm
Laser class	2M (safe for eyes)	2M (safe for eyes)
Scan area	310 x 350 mm	275 x 250 mm
Depth of field	250 mm	250 mm

METROMECÁNICA

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