

We are a service company that provides inside and outside the plant, the technical support and advice that users of Dimensional Measurement Instruments.

Dimentional Inspection

CMM, Articulated Arm, Laser Tracker, Scanners

- Calibration

CMM, Articulated Arm & CNC

→ Training program

GD&T | Measuring Software | Workshop

Spare Parts

Sale and/or replacement

- Sale and Rent

of Equipment





Accredited by

A2LA

based on the standard

ISO/IEC 17025

"General requirements for the competence of testing and calibration laboratories":

+20g

of experience serving throughout Mexico, Canada, the United States and Central America.

+20
specialist
employees

ACCURATE,
Brown & Sharpe,
Hexagon, DEA,
Zeiss, Leitz, Poli,
IMS, Starrett,
Mitutoyo, Coord3,
Trimek, Nikon &
LK, and more.



Installations and set-up

We offer the **relocation** of your machine, as well as the local, national and international transfer

Range of brands in spare parts for CMM



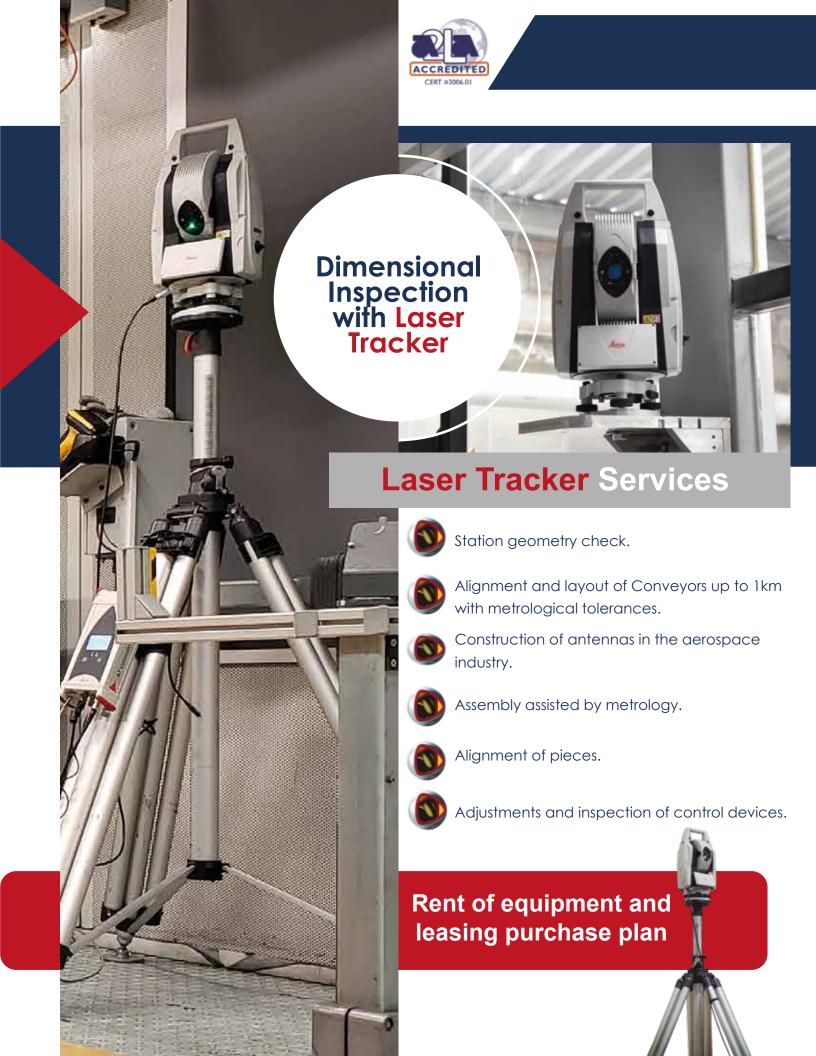


Articulated Arm sale and rent lease purchase options







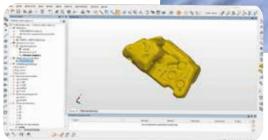






Optimization and technical support in Dimensional Metrology software







Advice & Training

Workshop on Site GD&T Geometric Tolerances

ASME Y 14.5 Standard Measurement of Geometric Tolerances with CMM, AACMM and Laser Tracker.

Personalized courses in Dimensional Metrology Software on site and/or at our facilities

Uncertainty Course in Dimensional Metrology.

Personalized
advisory
workshops for
your piece









































NORTH
Manzana 8, Lote 6
Parque Ind. FINSA C.P. 25904
Saltillo, Coah.







CMM equipment distributors: Gantry, Bridge, Arm. Integration of dedicated Dimensional inspection equipment.





Pantec/Wenzel Control System for CMM: Controllers, Joysticks & probing accessories.



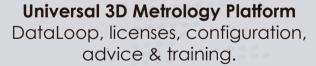


RDI Renishaw Distribuitor Integrator Software, accessories, heads, controllers for CMM & CNC.













Measurement Software Configuration, installation & training. **CMM Manager, Modus, VDMIS, PCDMIS**













Non Contact

Sale and Rental of last generation

Articulated Arms with
palpation & scan.





KSCAN-Magic & Trackscan-P

Sale, rent, integration, Reverse engineering and training.





Non-contact Dimensional Inspection Technology: **Scanner L100**, **LC15Dx**, **XC65Dx**, **APDIS Laser Radar**. Project Integration.





Projects

Modular clamping equipment
(Holding Fixtures)
for CMM. For free & dedicated inspection





Our national reference laboratory.

Partner for the development of new calibration and assurance methods of the quality of our results.





Accredited Capacities

Services	Unit Under Test	Parameter	Method	Measuring instrument	Range	СМС	Output formats	Industry	
Dimensional Testing / Calibration	Checking Fixtures & Workpieces	GD&T	ASME Y 14.5	CMM DEA Ghibli 152614 CMM Zeiss Prismo VAST HTG CMM Zeiss Prismo CMM Accurate Mega CMM Mitutoyo BRT-910	X, Y, Z: Up to (2600, 1500, 1400) mm X, Y, Z: Up to (900, 1500, 700) mm X, Y, Z: Up to (1200, 2000, 1000) mm X, Y, Z:	(11 + 5.9L) µm (2.2 + 6L) µm (2.1 + 6.8L) µm (9.5 + 4.8L) µm (3.2 + 3.6) µm	A2LA Dimensional Inspection Report	-04	
Dimensional Testing	3D Measurement	GD&T	ASME Y 14.5	AACMM Faro Quantum \$ 4.0m AACMM Faro Quantum \$ 4.0m 7 AXIS	Up to (1000, 750, 800) mm Up to 3700 mm		A2LA Dimensional Inspection Report	rt Automotive	
	Distances and 3D Measurements	GD&T	ASME Y 14.5	Laser Tracker Leica AT-401	Up to 80 000 mm	-	A2LA Dimensional Inspection Report	Manufacture	
Dimensional Calibration	Coordinate Measuring Machine	Length Measurement Error E0 E150 Ro	ISO 10360-2 ASME B89.4.10360-2	Laser interferometer Renishaw XL80 & Gage Blocks 30mm Mitutoyo / Koba Gage Blocks Set 30-500mm	Up to 18 000 mm	(2 + 0.25L) μm (0.27 + 1.3L) μm	A2LA Calibration Report	Aerospace Aeronautics	
		Single-Stylus and MultiStylus Probing Error	ISO 10360-5:2010	Mitutoyo / Koba Test Sphere Ceramic Accurate 30mm	Sphere Size: 30 mm diameter	0.76 µm		Oil Industry Energy	
	CMM Probing System	Single-Stylus Form Error Single-Stylus Size Error Multi-Stylus Form Error Multi-Stylus Size Error Location Error	ISO 10360-5:2020	Test Sphere Ceramic Accurate 30mm	Up to 50 mm	1.3 µm 0.88 µm 1.4 µm 0.88 µm 0.98 µm	A2LA Calibration Report	generation Die Casting	
	Articulated Arm Coordinate Measuring Machines	SPAT Effective Diameter	ASME B89.4.22	Test Sphere Ceramic Accurate 30mm	Up to 50 mm	2.5 μm 2.3 μm		Casting Inspecti	
		Volumetric Performance Probing Size Error (Psize)		Ball Bar Trapet Precision 2700 mm	Up to 4000 mm	(3.2 + 0.4L) µm (4.0 + 0.33L) µm 3.8 µm 5.0 µm	A2LA Calibration Report	Design	
		Probing Form Error (Pform) Articulated Location Error (Ldia) Length Measurement Error Unidirectional (Euni)	ISO 10360-12	Test Sphere Ceramic Accurate 30mm Ball Bar Trapet Precision 2700 mm	Up to 51 mm Up to 51 mm Up to 4000 mm	2.4 µm 2.1 µm 3.6 µm 3.5 µm (3.2 + 1.7L) µm (2.9 + 2.4 L) µm		inspection Architecture sculpture	
	Articulated Arm Coordinate Measuring Machines Scanning Probing System	Articulated Location Value (LDia)	ISO 10360-8 Annex D	Test Sphere Ceramic Accurate 30mm	Sphere Size: 30 mm diameter	(6.6L) µm	A2LA Calibration Report	Academic research	
	Numerically Controlled	X, Y, Z Axial Positional Deviation	ISO 230-2	Laser interferometer Renishaw XL80	Up to 18 000 mm	(1.6 + 0.2L) μm	A2LA		
	Machines	Volumetric Performance on Body and Face Diagonals	ISO 230-6	Laser interferometer Renishaw XL80	Up to 18 000 mm	(2.1 + 0.3L) μm	Calibration Report		
	3D Optical Measurement Systems*	PF Probing error (form) PS Probing error (size) E Length measurement error SD Sphere spacing error	VDI/VDE 2634-3	Dumbbell 700x50 mm Reference Sphere 50 mm	700 mm	TBD	A2LA Calibration Report		







Equipment Scopes

									_	quipii		COPC
Equipment	Brand	Sale	Rent	Accredited Calibration	Dimentional Inspection	Scanning / Probing	UPGRADE / Maintenance	Reverse Engineering	Training	Spare part	Manufacturing	Project developme
Coordinate Measuring Machine	Accurate*, B&S, Hexagon, DEA, Zeiss, Leitz, Poli, IMS, Starret, Mitutoyo, Wenzel, Coord3, Trimek, Nikon, LK, entre otras.	✓	✓	✓	✓	Scanning Probing	✓	✓	~	✓	*	✓
CMM Controller	Pantec Renishaw	✓	NA	NA	NA	NA	NA	NA	✓	✓	NA	NA
Articulated Arm	Faro Romer	✓	✓	•	✓	Scanning Probing	✓	✓	~	•	NA	✓
Laser Tracker	Leica	✓	✓	✓	•	Scanning	✓	✓	✓	✓	NA	✓
CNC	Multiple Brands	NA	NA	✓	NA	NA	NA	NA	✓	✓	NA	✓
Scanners	Scantech	✓	✓	✓	•	Probing	✓	✓	✓	✓	NA	✓
Laser Radar	Nikon	✓	✓	NA	✓	Scanning	✓	✓	✓	✓	NA	✓
Measuring Software	PolyWorks	✓	✓	NA	•	Scanning Probing	✓	✓	✓	NA	NA	✓
Measuring Software (Others)	Modus, QXSOFT, VDMIS, Tutor, Pcdemis, others	✓	✓	NA	✓	Scanning Probing	NA	✓	✓	NA	NA	✓
Fixtures Control Devices	Soporte Metrology	✓	✓	✓	✓	NA	✓	✓	✓	✓	✓	✓
											NA: N	ot applicable
Alliances	CENAM	Partr	ner for the	e developmen	t of new calibr		cription ds and quality as	ssurance in	our results	5.		✓
	Descrip	otion										
Laboratory Accessories ELECTRICAL ELECTRONICS	Motors, Power Source, [Orivers, l	JPS, othe	rs.								
Laboratory Accessories	Filters, Maintenance Un	its, Drye	rs, others		• 1	TUE SEPER						



PNEUMATICS

Laboratory Accessories

MANUAL

Outsourcing

Calibration

Dial indicators, Torque meters, Shims, others.

Calibration spheres, vernier, nanometers, others.

