

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



CMM, Articulated Arm & CNC



GD&T | Measuring Software | Workshop









Accredited by



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

> +20 specialist employees

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



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

Range of brands in spare parts for CMM

UPGRADE



Kit of scales, encoders and cables



UPGRADE or change of controller



Software and workstation update

4

Maintenance or change of motors, belts and transmissions



Change of hoses and replacement of bearings

Probing system

6

EQ. E150 and the CMM Repeatability error



Preventive Maintenance

CMM Calibration



Standard: ASME B89-ISO 10360.2 Laser Interferometer and/or Gage Blocks to test the indication errors of a calibrated test length



Articulated Arm Calibration

We have Articulated Arm laboratories conditioned for calibration under the standards:

ASME B89.4.22

"Method for evaluating the performance of Articulated Arm Coordinate Measuring Machines"

ISO 10360-12

"Reverification tests for coordinate measuring systems Part 12: Articulated Arm Coordinate Measurement Machines". Tests: Euni, Pform, Psize, LDIA

We collect your AACMM and return it calibrated.

Calibration Instrument: Ball Bar

ACCREDITED CERT #3006.01

Articulated Arm sale and rent lease purchase options



Holding & Checking Fixtures Chitting Contro Contro

F

Control Device Designs

2D and 3D Mechanical Manufacturing

Tuning via Dimensional Inspection (CMM)

Logistics, Collection and Delivery in Plant

Engineering changes

Component Addition Modification of SPC's ACCREDITED CERT #3006.01

Issuance of the Inspection Certificate (ASME'Y 14.5)



Tooling repeatability study.



Contact or scan sizing.

Certification of tooling for production lines.

Measurement of molds and CNC assembled parts in their machining position.



Testing of strict tolerances in the industry.

Dimentional Inspection



Dimensional Inspection with Laser Tracker

Laser Tracker Services



Station geometry check.



Alignment and layout of Conveyors up to 1km with metrological tolerances.

TIGHILLIN -

Construction of antennas in the aerospace industry.



Assembly assisted by metrology.

Alignment of pieces.



Adjustments and inspection of control devices.

Rent of equipment and leasing purchase plan

CNC Calibration

The tests carried out to the CNC comply with the standard:

ISO/IEC 17025

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

ISO 230-2 for linear axes

ISO 230-6 for diagonals

aller

Equipment: Interferometer Laser Renishaw XL80

Ballbar test in conjunction with Renishaw

- Ensure accurate CNC parts on the first try
- Reduce machine downtime and scrap and inspection costs.
- Demonstrate compliance with machine performance and quality management standards.

CERT #3006.0

- Implement predictive maintenance based on facts.

 Alignment and leveling using laser equipment
CNC leveling during installation or periodically, using laser interferometer and laser tracker.

"The periodic calibration of the CNC is key to maintain equipment accuracy and repeatability..."

Training

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







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