

- TECHNICAL SHEET: Carls Zeiss Spectrum II MMC (coordinate measuring machine) -

Dimensional Metrology Laboratory.

The MMC provide dimension verification services on solid parts.

Specifications and main features:

Carl Zeiss Technology with ultra-precision metrology.

- Our new MMC, is world class and last generation machine that combines the best high-tech materials, to provide quality measurement.
- Higher measuring range of 700 x 700 x 600 mm
- C99 controller technology and in real time PC-based operating system.
- CALYPSO metrology software, it is based on the principle of visual metrology, automatically calculates the ideal measuring cycle and travel routes.
- Revolutionary CAD based metrology software. All parts characteristics designed in CAD model is stored as icons.

Machine design:

- Measuring machine bridge type with fixed measuring table.
- The measuring surface meets DIN standards, ensuring accuracy and precision.
- Correction CAA (Computer Aided Accuracy).
- Speed control for CNC measurement operations.
- Collision protection stiletos.
- safety and release buttons Joystick..
- Motorized mode / CNC operation.

Precision:

- The length measurement error (MPE), based on DIN EN ISO 10360-2, with the sensor XDT 2.1 + L / 250 (0.082 + L / 250) (X = 700 mm).
- Provides smooth, precise and high-speed 3-axis CNC for all measurement tasks motion.

Industries with broad application:

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|----------------|---------------|
| • Automotive | (CONTINENTAL) |
| • Metalworking | (MITUTOYO) |
| • Electronics | (CONDUMEX) |
| • Optical | (XEROX) |

We offer::

- Stable temperature laboratory
- Correction CCA (Computer Aided Accuracy)
- Competitive prices



**CENTRO DE INVESTIGACIONES
EN OPTICA, A.C.**



We also offer calibration of:

Pattern blocks	Optical comparators
Gauges	Indicators
Height gauges	Micrometers
Thickness Gauges	Microns deep

Accredited laboratory under the NMX-EC-17025-IMNC-2006 standard by the Mexican Accreditation Entity (EMA) with accreditation number D-85 in the magnitude of dimensional effective from 2009-10-21 in dimensional magnitude.