

Metrology and Quality

For metrology or quality control, Optodyne's laser calibration series provide a fast, accurate and efficient measurement of the CMM or machine tool positioning accuracy. Using the MCV-500C all the 21 positioning errors except 3 roll angular errors can all be measured. The **MCV-500C can be applied for the calibration and compensation of machine tool positioning errors, including the displacement errors, vertical and horizontal straightness errors, squareness errors, pitch and yaw angular errors.** Using the patented laser vector technique, the volumetric positioning errors can be calibrated and compensated in a few hours instead of a few days using a conventional laser interferometer. The MCV-2002 is a dual-beam laser system. It can measure both the linear displacement and the angular error simultaneously. It is equivalent to 2 laser interferometers build into one. Add RT-100 to measure the angular errors of a rotary table or the rotary axes

- [MCV-500C](#) Linear Machine Calibration
- [MCV-2002](#) Linear, Angular and Flatness Calibration
- [MCV-5002](#) Aerospace Laser Calibration System
- [QC-500](#) One-day Quick Check Laser Calibration System
- [RT-100](#) Rotary Table Calibration Package

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