

Calibration

Optodyne's laser calibration series are based on the patented LDDM technology. It 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-500 is a basic linear calibration system. Add SD-500 to measure vertical and horizontal straightness errors and squareness errors. Add LB-500 to measure the circular contouring errors. Add AM-500 to measure the pitch and yaw angular errors. 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. For more details, click on the model number to view the technical brochure. To **download** the technique brochure, use the download button in the menu bar on the left.

- [MCV-500](#) Linear Machine Calibration
- [MCV-500C](#) Complete Machine Calibration System
- [MCV-2002](#) Linear, Angular and Flatness Calibration
- [MCV-3000](#) Linear, Squareness and Straightness Calibration
- [MCV-4000](#) Linear, Angular, Straightness, Flatness & Squareness Calibration
- [MCV-5002](#) Aerospace Laser Calibration System
- [QC-500](#) One-day Quick Check Laser Calibration System
- [RT-100](#) Rotary Table Calibration Package
- [LB-500](#) Laser/Ballbar
- [SD-500](#) Volumetric Calibration
- [AM-500](#) Angular Measurement