

Linear displacement

For linear displacement measurement, machine tool calibration and compensation, there are many models to choose from. The MCV-500 is a basic linear calibration system. The MCV-500C is a complete calibration system capable of measuring the linear displacement errors, vertical and horizontal straightness errors, squareness errors, pitch angular errors and yaw angular errors. To save time, the MCV-5002 Aerospace laser calibration system including two separated laser heads for master and slave axes measurement, is designed for large gantry type machine and to minimize the machine downtime. For more details, click on the model number to view the technical brochures. Click on the **Application notes** for typical applications. Click on the **Technical article** and **Magazine article** for basic theories and technical details.

- [MCV-500](#) Linear Machine Calibration
- [MCV-500C](#) Complete Machine Calibration System
- [MCV-5002](#) Aerospace Laser Calibration System
- [Ap1104](#)-- Calibration of CNC Machines by a machine tool operator.
- [Tech Article #2](#)-- A vector method for the measurement of positioning errors and straightness errors over a machine work volume.
- [Tech Article #1](#)--Taking Advantage of today's cnc control technology by calibrate and compensate cnc machine tools volumetrically.
- [Magazine Article #4](#)-- Do-It-Yourself Laser Calibration Pays Off.

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