

## Circular & non-circular contouring

The MCV-500 with LB-500 is designed for the dynamic circular contouring error measurement. A PolarCheck program can be used to diagnosis the machine errors. The measurement is non-contact and the radius can be varied continuously to a very small radius. Furthermore, the true radius, feed rate and acceleration/deceleration can also be measured. For more details, click on LB-500. **Click on Technical Article #11 for the basic theory and test results, and Ap-1111 for the harmonic motion test** on the acceleration and deceleration motion.

- [LB-500 Laser/Ballbar](#)
- [Ap1111](#)-- Harmonic Motion Test on the Acceleration and Deceleration of a Machine Tool
- [Ap1108](#)-- Laser/Ballbar -- Two Instruments In One
- [Tech Article #12](#)-- Non-circular Contouring Measurement for Servo Tuning and Dynamic Performance of a CNC Machine
- [Tech Article #11](#)-- A noncontact laser technique for circular contouring accuracy measurement.
- [Tech Article #5](#) -- Machine tool contouring performance evaluation at high feed rates.
- [Tech Article #4](#)-- Non-contact circular tests using a laser/ballbar.

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