Servo parameters and tuning

The MCV-500 with LB-500 is designed to measure the dynamic circular contouring errors for the servo parameters and tuning. 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 can also be measured. A PolarCheck program can be used to diagnosis the servo parameters. For more details, click on LB-500. **Click on Technical Article #11 for the basic theory and test results**, and **Technical Article #12** for non-circular contouring measurement.

- 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 #18-- A Laser Vector Technique for the Measurement of Static Positioning Errors & Compensation
- 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.
