

Are You Interested In Improving Your Bottom Line?



Improve your Productivity, Product Quality and Bottom-Line!

Laser calibration is an important part of any machine maintenance program. With everyday usage, and in some cases seasonal changes, your machine tool will lose its accuracy. This has a direct impact on the quality of your product and the efficiency of your process.

What Are The Benefits of Laser Calibration?

- Increase Machine Accuracy and Repeatability
- Lower Maintenance and Production Costs
- Reduce Scrap, Rework and Part Inspection Costs
- Develop predictive maintenance programs on machine wear patterns
- Reduce Catastrophic Breakdowns
- Increase Equipment Life

Laser Calibration

Our Optodyne patented calibration system measures positioning error and allows our technicians to set compensation in the control and determine if repairs are needed.

Ballbar Analysis

Ballbar analysis is one of the best tools to determine your machine tool's mechanical and servo performance and allows laser certification comparisons with other machines in your facility. It allows error sources such as backlash, reversal spikes, lateral play, squareness, straightness, scaling mismatch, and servo tuning discrepancies to be pinpointed, quantified, and reduced or eliminated, resulting in better accuracy in circular interpolation. Ballbar analysis can be performed in all planes of motion (XY, YZ, and XZ) if required.

Certification

We include before-and-after graphs for all laser calibration and ballbar analysis we perform. If needed, we can also provide NMTBA, ISO, VDI, and/ or ASME analysis.



Before-and-After Graph Results Are Provided.

All this can be done without tearing down most setups!



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"Not all laser calibration systems are the same, the Optodyne has fewer components to align and can be set up in 20 percent of the time other systems take."