Total Productive Maintenance and Calibration Services

Say “NO” to downtime and longer cycle times...
Total Productive Maintenance helps keep your equipment working at optimal efficiency.

Diagnose and prevent problems before they occur...
Our Service Technicians will finely tune your machine’s electronics, motors, pumps, hydraulics, lubrication, axis movement, spindle, tool change functions and alignments.

Gain knowledge about your machines...
We will show you areas of concern while service is performed so that you can help identify problems before they occur.

Improve accuracy and performance...
We use laser and ballbar calibration to assess, monitor, and improve the static and dynamic performance of your machines.

Your CNC machine tools represent a sizeable capital investment. To maximize the return on your investment, you need to keep equipment in top operating condition. **Preventive maintenance is a recognized way to maximum the return on investments in capital equipment.**
Changing oils and filters are regular maintenance steps. Preventive maintenance entails many additional steps to maintain high degrees of repeatability and extend the overall life of your equipment. Calibration services ensure that your machines are operating most accurately.

Our factory-trained service technicians are experts at diagnosing problems before they occur. We can acquire needed parts and make necessary repairs quickly while helping you avoid costly downtime and higher repair costs.

**When you sign up for Total Productive Maintenance from The Robert E. Morris Company, you will receive a reduced labor rate for any repairs made as a result of our findings.** Laser and Ballbar Calibration may be contracted separately.

For more information, please contact:
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Photos courtesy of Renishaw.
Why Laser and Ballbar Calibration?

Ballbar and laser calibration improves the performance and accuracy of your machine tool, and improves product quality. We use highly precise and world-recognized quality laser and ballbar measurement systems from Renishaw to calibrate your (and our) machine tools.

Using laser and ballbar calibration, we will assess, monitor, and improve the static and dynamic performance of your machine tools. Laser and ballbar calibration is essential to establishing a known and repeatable level of your machine’s performance and process capability and therefore should be considered the first step in your machine’s process improvement.

Ballbar calibration specifically tests how well axes are in synchronization with each other and how well they interpolate together. Laser calibration provides a comprehensive accuracy assessment of the axis ballscrew and drive system.

With the information obtained by laser and ballbar calibrations, we can then make adjustments throughout the entire ballscrew and within the control to compensate for any inaccuracies in the screw pitch, therefore establishing accuracy within less than a micron for each axis.