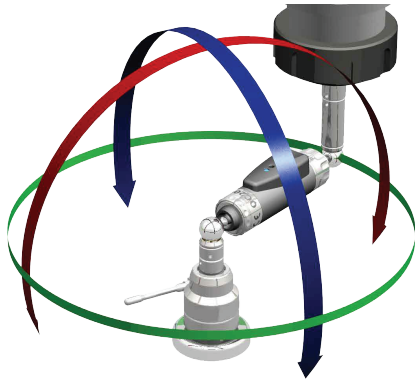


# BALL BAR TESTING FOR CNC MACHINERY



The All World service department strongly encourages ball bar testing on all CNC machines as a means of preventative & predictive maintenance. The Telescoping Ball Bar is a very simple, yet sophisticated diagnostic tool that is designed to help evaluate the geometric & dynamic inaccuracies present in any multi-axis machine tool.

**TIME** Typical 2-axis ball bar test can be completed in as little as 20 minutes for most machines.

**EXPERTISE** Provide critical diagnostic data on current & future health of your machine.

**KNOWLEDGE** Geometric, dynamic, & servo-type anomalies uncovered & analyzed.

**HISTORY** Logs of data and documentation for maximum production and preventive action.

**CONSISTENCY** Targeted and scheduled maintenance service for optimum operation.

**SAVINGS** Significant decrease in down time and scrap material means less waste.

## WHAT CAN YOU EXPECT FROM YOUR FIRST BALL BAR TEST?

Due to set-up times, your initial test may take a little longer since the set-up must be defined and programmed into your control. Within the first test, machine anomalies are uncovered and remedied while a baseline for each machine is established. Subsequent periodic testing produces a history which can be used for predictive maintenance purposes. Data from these tests reflect both current machine condition and trending machine wear to accurately predict future down times.



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