

A new mini Laser interferometer for calibration and compensation Of CNC machine tools

Using the latest digital electronics and electro-optical technology, Optodyne has developed a revolutionary laser interferometer calibration system, LICS-100A for the application in the Machine Tool industry. This laser calibration system is first unveiled at the CIMT 2007 Show in Beijing. The **LICS-100A Laser Calibration System** features a two components system, and it is extremely compact, affordable, and easy to setup and operation. It is the best value added laser system in the industry.

This new compact calibration system, based on the patented Laser Doppler Displacement Meter (LDDM™) technology, is designed for easy carrying, setup and operation. The basic system, including Windows™ software, barometric pressure, air temperature and material temperature sensors, and accessories are packaged at an extremely compact and affordable price. The system has only two main components and fits in one small carrying case.

The Windows™ software, running on any Notebook computer, is user friendly and is designed to collect and analyze data in accordance with a variety of industry standards, such as NMTBA, VDI, ISO and ASME B5.54. The laser system is calibrated and traceable to NIST.

Photo Caption: The LICS-100 has only two main components, a laser head and a retroreflector. Measurement data is collected by a Notebook PC and the results can be presented in tabular or graphic form based on ISO, ASME and VDI standards. All the components fit into a small 30 cm x 20 cm x 20 cm carrying case.

