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JUNE 26, 2006

IMTS Booth # D-4403

**OPTODYNE ANNOUNCES: NEW 3D VOLUMETRIC CALIBRATION
AND COMPENSATION SOFTWARE**

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*3D Volumetric Calibration and Compensation Software Demonstration at IMTS 2006,
Optodyne Booth # D-4403*

COMPTON, CA—JUNE 26, 2005—Optodyne Inc., the leader in laser measurement, calibration and compensation systems, today has announced new Windows software for 3D volumetric calibration and compensation of CNC machine tools and CMM machines. The software allows the measured results of the MCV-500 and Sd-500 laser calibration systems to compensate the geometric errors of the machine; to generate a 3D volumetric error table to compensate the CNC part program; or to correct the on-machine probing result.

“Our new calibration software enhances laser calibration and compensation capabilities, ease of setup and operation,” says Charles Wang, Ph.D., president of Optodyne. “With its compact size, about the size of a large briefcase, and the best performance/cost ratio in the industry, accuracy and repeatability can be economically obtained and setup, calibration and compensation time for 3 to 5-axes can be reduced to as little as three hours.”

Using new software with the MCV-500 and Sd-500 laser calibration system, 3-linear displacement errors, 6 straightness errors and 3-squareness errors, a machinist, programmer or technician can take measurements in a few hours. Additionally, an optional AM-500 accessory measures pitch and yaw angular errors. Consequently, all 21-rigid body errors except the 3-roll angular errors can be measured.

LDDM technology is the basis of Optodyne’s calibration systems, which reflects a modulated laser beam off a movable target. Similar to radar technology, displacement information is derived by detecting the beam, which the control uses to determine position. The laser head features a stability check of better than 0.1 PPM, accuracy of 1.0 PPM and resolution up to 0.000001” or 0.00001 mm. Standard sensors automatically compensate for environmental factors, such as barometric pressure, air temperature and material temperature to compensate for thermal expansion. Optodyne calibration systems are calibrated and traceable to NIST and analysis software supports NMTBA, VDI, ISO and ASME B5.54 standards.

Optodyne, a California corporation, develops, manufactures and markets laser-based precision measurement equipment for machine tool calibration, metrology, OEM, and other industrial applications that require precision measurement through a worldwide distribution network. The basis of the company’s products is the patented Laser Doppler Displacement Meter (LDDM) technology developed by Dr. Charles Wang, Ph.D. Optodyne is ISO/IEC 17025 accredited, which requires a quality system similar to ISO 9000, plus testing and calibration equipment, as well as knowledgeable testing and calibration personnel.

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Photo Caption: Measuring a 5-axis machining center using the Sequential Step Diagonal Displacement Measurement method with Optodyne MCV-500 Laser Calibration System.

(Request photo from bob.thomas@graphicstar.com)