



Client Contact:
David Hoyh
Systron Donner Inertial
(925) 979-4503

IMMEDIATE RELEASE

Systron Donner Inertial Introduces the New Tactical-Grade MEMS Inertial Measurement Unit

SDI500

Walnut Creek, Calif – August 1, 2009 - Systron Donner Inertial (SDI), an operating division of Custom Sensors & Technologies (CST), introduces the SDI500, a breakthrough in compact MEMS-based Inertial Measurement Units (IMU) for tactical aerospace, munitions and platform stabilization applications.

The new SDI500 is the first MEMS-based IMU to demonstrate true tactical grade performance with $1^\circ/\text{hr}$. bias stability and very low $0.02^\circ/\sqrt{\text{hr}}$. angle random walk. The breakthrough performance of the SDI500 IMU is based on a new generation of SDI's proven quartz MEMS inertial sensor technology. SDI's quartz technology enables high volume production of precisely machined sensor structures combined with the inherent large signal output and thermal stability of quartz materials.

The SDI500 is a compact 19 in.³ six-axis IMU constructed with SDI's next generation quartz gyros, quartz accelerometers, and high speed signal processing that achieves tactical grade performance. The SDI500 IMU is tested and rated for rugged military underwing captive carry vibration and full military temperature range operation. The solid state quartz sensors and sealed IMU construction provide reliable 25,000+ hr. MTBF, and a 20 year operating and storage life. Continuous Built-in Test (BIT), configurable communications protocols, electromagnetic interference (EMI) protection, and flexible input power requirements make the SDI500 IMU easy to use in a wide range of higher order integrated system applications.

Production units are available in Q4-2009.

For further information and specifications on the SDI500, or for information on the complete SDI product line, contact Systron Donner Inertial, 355 Lennon Lane, Walnut Creek, CA, 94598-2418.

Tel: (925) 979-4500; Fax: (925) 979-9827; E-mail: sales@systron.com; Web: www.systron.com.

About Systron Donner Inertial:

Systron Donner Inertial (SDI) is an operation of Custom Sensors & Technologies (CST). SDI is a world leader in quartz MEMS inertial sensors and systems. SDI's high performance products include rate sensors, multi-axis systems, IMUs and INS/GPS systems.

About Custom Sensors & Technologies:

Headquartered in Moorpark, CA - Custom Sensors & Technologies (CST) is comprised of industry-leading brands including Crouzet, Kavlico, Crydom, and former divisions of BEI Technologies – Newall and Systron Donner. CST provides sensors, controls, and actuation products for the Transportation, Industrial and Aerospace & Defense markets.

www.cstsensors.com