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## **IMMEDIATE RELEASE**

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*Magnetostrictive technology provides superior performance in harsh environments...*

# **MTS SENSORS' LINEAR POSITION SENSORS WITHSTAND SHOCK AND VIBRATION IN MACHINE TOOLING APPLICATIONS**

CARY, N.C. (September 8, 2008) - MTS Systems Corp., Sensors Division's Temposonics® linear-position sensors are being utilized by the machine tooling industry due to high accuracy over time even in the harshest conditions. The R- and G-Series' electronic housings and sensing elements were developed out of MTS Sensors' experience with the extreme conditions faced in applications such as sawmills and the mobile hydraulics equipment market. The rugged design, combined with the many performance benefits inherent in magnetostrictive technology, make the sensors ideal for even the harshest applications, including machine tooling equipment which requires not just reliability and durability, but accuracy and repeatability as well.

“In some extreme applications, accuracy is not as important as the robustness of the sensor, but in the machine tooling industry, accuracy and reliability are important to ensure the quality of the end-product being produced,” said Matt Hankinson. “Our R-Series and G-Series linear position sensors are designed to withstand extreme shock and vibrations while offering the benefits of high accuracy and absolute position.”

The industrial standard G-Series and R-Series products are capable of continuous

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operation at external vibration levels of 15 g (10-2000 Hz, IEC standard 68-2-6) and surviving shock levels of 100 g (single hit, IEC standard 68-2-27). Adding the high shock- and vibration-resistant option, these products can withstand 30 g vibration without interruption of normal operation. In addition to protection from shock and vibration, these sensors are also available with IP67 housings for protection from particles and fluids making them well-suited for harsher machine tool applications.

The R-Series sensors are smart sensors for fast, high-precision, and synchronized position control applications, available with SSI, DeviceNet, CANbus, Profibus, EtherCAT and dual output analog outputs. These rugged industrial sensors provide linear, absolute measurement and non-contact sensing technology. With non-linearity less than 0.01% and repeatability within 0.001%, these sensors are ideal for applications, such as machine tooling, that require accuracy, reliability and consistency.

The G-Series provides rugged, accurate measurements with either analog or digital outputs, and is designed for backwards compatibility with legacy Temposonics products. The G-Series sensors are programmable sensors with built-in diagnostics for applications that require analog, start/stop and PWM outputs.

For more information on Temposonics Sensors, please contact: MTS System Corp, Sensors Division, 3001 Sheldon Drive, Cary, NC 27513. Phone: (919) 677-0100. E-mail: [info@mtssensors.com](mailto:info@mtssensors.com) or visit their web site at <http://www.mtssensors.com>.

MTS Sensors, a division of MTS Systems Corp., is the global leader in the development and production of magnetostrictive linear-position and liquid-level sensors. Based on MTS' patented Temposonics® technology, the Sensors Division is continually developing new ways to apply magnetostrictive sensing technology to solve critical applications in a variety of markets worldwide. With facilities in the U.S., Germany and Japan, MTS Sensors Division is an ISO 9001 certified supplier committed to providing innovative sensing solutions that deliver customers with reliable, cost effective sensing devices.

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