



Chris Butterfield
ESI
503-672-5760

MAJOR KOREAN MLCC MANUFACTURER ORDERS MULTIPLE ESI 3550 TEST SYSTEMS FOR PRODUCTION EXPANSION

PORTLAND, Ore.—Nov. 14, 2007— Electro Scientific Industries, Inc. (Nasdaq: ESIO), a leading provider of world-class photonic and laser systems for microengineering applications, today announced receipt of a multiple-system order from a leading Korean electronic components manufacturer for ESI's 3550 test systems. The customer will utilize ESI's systems to expand production of high-capacitance, small-geometry multi-layer ceramic capacitors (MLCC). ESI's unparalleled precision and productivity of the 3550 enables this customer to meet demand and provides economical competitive advantages. ESI expects to begin shipping the Model 3550 test systems to this customer before year end.

Vernon Cooke, ESI passive components product marketing manager, noted, "The continued adoption of our 3550 systems strengthen ESI's position as the leading test equipment provider to the MLCC market. The 3550's exceptional high speed processing capabilities coupled with reliable and repeatable sorting reduce the system's total operating costs and achieve productivity levels many times greater than existing high-capacitance MLCC testers."

ESI's Model 3550 performs electrical testing of high-capacitance MLCCs used in computer, flat-panel display, automotive and video game applications. The exceptional high speed reduces the tool's total operating cost through reliable and repeatable sorting. ESI's patented rotary technology enables multiple tests to be performed simultaneously on chips as small as .016 inches by .008 inches (0402 metric). The Model 3550 can test and sort up to 540,000 MLCC chips-per-hour, which provides a level of productivity that leads the industry and is significantly higher than existing, high-capacitance MLCC

testers. The Model 3550's unparalleled precision and productivity provides cost-effective competitive advantages for ESI customers.

About ESI, Inc.

ESI is a pioneer and leading supplier of world-class photonics and laser systems that help its microelectronics customers achieve compelling yield and productivity gains. The company's industry-leading, application-specific products enhance electronic-device performance in three key sectors—semiconductors, components and electronic interconnect—by enabling precision fine-tuning of device microfeatures in high-volume manufacturing environments. Founded in 1944, ESI is headquartered in Portland, Ore. More information is available at www.esi.com.

Forward-Looking Statements

This press release includes forward-looking statements concerning the timing of systems shipments. Actual results may differ materially from those in the forward-looking statements. Risks and uncertainties that may affect the forward-looking statements include: the relative strength and volatility of the electronics industry - - which is dependent on many factors including component prices, global economic strength and political stability, and overall demand for electronic devices (such as capacitors) used in computers, flat panel displays, automotive applications, and video games; the risk that customer orders may be canceled or delayed; and the risk of manufacturing, supply or shipment disruptions or delays.

###