



- FOR IMMEDIATE RELEASE -

STI Electronics, Inc. – Cleanroom Press Release



STI Electronics, Inc. (STI), a premier full-service electronics organization, announces the addition of a cleanroom environment to its facility located in Madison, Alabama. The state-of-the-art cleanroom lab supports STI's patented Imbedded Component/Die Technology (IC/DT) research and manufacturing capability, as well as other microelectronics manufacturing and assembly operations.

The newly constructed cleanroom utilizes laminar or vertical unidirectional flow in order to achieve the low concentration of particles required for the ISO 14644-1 Class 6 standard. To ensure that the set conditions are met, a building control panel monitors the real-time cleanroom environment data and regulates an electronic humidifier, reheat unit, and HVAC unit. The air sweeps across the room in a unidirectional manner and exits through perforations in the raised floor, removing airborne contamination from the room.

STI also performs weekly tests on the lab to guarantee the particle counts meet the ISO criteria. These tests show that the lab typically meets the higher Class 5 standard, but STI builds in a safety factor and maintains the Class 6 specification.

"The addition of the cleanroom allows STI Electronics to continue its research and start small volume production using its patented IC/DT technology," said David Raby, President and CEO of STI Electronics Inc. "The IC/DT technology makes electronic assemblies smaller, more rugged, and more reliable. As a result, we believe the IC/DT Technology will be the wave of the future for assemblies expected to perform in harsh environments." The significant investment for the cleanroom (\$300k) continues STI's commitment to the highest standards in the industry.

About STI Electronics, Inc.

Established in 1982, STI Electronics, Inc. is the premier full service organization for laboratory analysis, prototyping, and small to medium volume circuit card and microelectronics assembly in the electronics industry. STI also produces a complete line of solder training kits and training support products many in lead free versions. In addition, STI is an Approved IPC Training and Certification Center for IPC-A-600, IPC-A-610, J-STD-001, IPC-7711/7721 and IPC-A-620 as well as distributor for over 90 different product lines including Kester, JBC, Tech Spray, etc.

Jim D. Raby, founder and Technical Director of STI, has over fifty years of experience in the industry including development of the NASA and Department of Defense Specifications. Jim has been very instrumental in keeping STI abreast of upcoming technological changes and future needs of the industry. Jim also initiated the IC/DT concept and has lead the research and development phase of the project. David Raby, President and CEO of STI, is currently serving a second two-year term as President of the Surface Mount Technology Association (SMTA). He also served for six years on the SMTA Board of Directors.

Contact:

Diana Bradford
STI Electronics, Inc.
256.705.5504

dbradford@stielectronicsinc.com
www.stielectronicsinc.com