

FOR IMMEDIATE RELEASE

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**Thermo Electron features comprehensive portfolio for
polymer characterization and processing at ANTEC**

Newington, NH (May 1, 2005) – Thermo Electron Corporation will present its comprehensive portfolio of products for polymer characterization and processing at ANTEC 2005, the annual technical conference of the Society of Plastics Engineers, held in Boston, MA.

“Thermo has developed a product portfolio that encompasses QA, R&D, pilot systems and small-scale polymer production needs,” said Wolfgang Marquardt, VP Marketing. “We have the products and the technical know-how to help our customers address characterization problems quickly and cost-effectively throughout the production process.”

Thermo will display the following at booth #119, 121, 123:

- The HAAKE Modular Advanced Rheometer System (MARS) with a new high temperature control unit that enables researchers to measure rheological properties of polymer melts and composites at temperature ranges from -150 to 600° C. A new sensor allows negative normal forces to be measured for tensile test applications.
- The new HAAKE PolyLab System (OS) torque rheometer platform. The system includes all functionality required to drive and control “intelligent” measuring sensors, i.e. mixers, extruders and compounders. Single and modular twin screw extruders are used for process simulation such as compounding and extrusion of strands, profiles or films combined with rheology.
- The HAAKE MiniLab, which combines compounding and viscosity tests for small volume samples. The instrument is based on proven, conical twin-screw technology with co- and counter-rotating screws.
- The 16 mm PRISM EuroLab compounder, a bench-mounted, co-rotating twin screw extruder that studies production mixing processes on a laboratory scale. These systems are ideal for continuous mixing processes such as thermoplastic compounding, master batch manufacturing and powder coatings production.
- The new HAAKE MiniJet molding system for cost-effective sample preparation. Samples from powders, pellets and melts can be prepared with as little as 5g of material.
- The Cahn VersaTherm high mass TGA. The system can handle whole or partial small dimension plastic parts (limited to internal furnace clearances and <100g, the balance’s maximum range) for compositional analysis. It can be coupled to an FTIR or MS for further Evolved Gas Analysis.

For more information about Thermo Electron Corporation’s portfolio of products for characterizing polymers, please visit www.thermo.com/mc.

About Thermo Electron Corporation

Thermo Electron Corporation is the world leader in analytical instruments. Our instrument solutions enable our customers to make the world a healthier, cleaner and safer place. Thermo's Life and Laboratory Sciences segment provides analytical instruments, scientific equipment, services and software solutions for life science, drug discovery, clinical, environmental and industrial laboratories. Thermo's Measurement and Control segment is dedicated to providing analytical instruments used in a variety of manufacturing processes and in-the-field applications, including those associated with safety and homeland security. Based near Boston, Massachusetts, Thermo has revenues of more than \$2 billion, and employs approximately 10,000 people in 30 countries. For more information, visit www.thermo.com.

About Thermo Electron Corporation – Material Characterization

The Material Characterization business of Thermo Electron Corporation is headquartered in Karlsruhe, Germany and operates worldwide through offices in the USA, China, France, Great Britain and the Netherlands. Thermo offers a comprehensive range of material characterization products that analyze and process materials for rheological and thermal properties. These instruments analyze and measure viscosity, elasticity, processability and temperature-related mechanical changes of plastics, foods, adhesives, coatings, and a wide variety of liquids or solids. Thermo provides innovative solutions for material characterization in the Food and Beverage industry, the Pharmaceutical and Cosmetic sector, and for Polymer and Plastic process manufacturing. For more information, visit www.thermo.com/mc.

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