

**FOR IMMEDIATE RELEASE**

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**Thermo Electron introduces new process rheometer platform  
for polymer applications**

*Modular PolyLab Open System (OS) torque rheometer offers greater flexibility*

Newington, NH (May 1, 2005) – Thermo Electron Corporation will introduce the new HAAKE PolyLab Open System (OS) platform to the US market today at ANTEC 2005, the annual technical conference of the Society of Plastics Engineers, held in Boston, MA. The torque rheometer system is designed specifically for polymer processing applications.

The modular platform's design is based on the flexible "plug & measure" concept. Because the platform is standardized on the CAN Open Bus for internal communication and the USB interface for connection to a PC, the torque rheometer can be adapted quickly and easily to the specific requirements of an application. A range of sensors and processing systems can be connected to the platform, enabling it to perform viscosity, conductivity and spectroscopy measurements while mimicking commercial process equipment on a small laboratory scale.

The system can perform both mixing and extruder experiments on polymers with much less effort than in the past. More laboratory or experimental work can be accomplished within a shorter timeframe because the entire sequence of experiments is defined and executed step-by-step via programmed software. After filling the mixer or extruder and starting a series of tests, the operator can leave the equipment to perform other tasks with the assurance that the system's safety protocol will protect the equipment from damage. The status of an experiment can be called up at any time using a web browser or personal data assistant (PDA), regardless of location. Errors, alarms, or messages requiring attention are displayed on all monitors (PC, PDA).

For more information about the HAAKE PolyLAB OS rheometry platform and Thermo Electron Corporation's portfolio of material characterization products, please visit [www.thermo.com/mc](http://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](http://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](http://www.thermo.com/mc).

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