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**Nitrofreeze® Cryogenic Treatment Service Adds Further Processing Capability**

**Worcester, MA – November 10, 2010** – The Cryogenic Institute of New England, Inc. is pleased to announce the acquisition of an additional cryogenic thermal cycling system. This will allow for expanded capacity and enhance the company's Nitrofreeze® Cryogenic Treatment Service and Nitrofreeze® Cryogenic Thermal Cycling Service. These processes have been used by a wide array of customers in industries ranging from defense, aerospace, electronics, and tool making among others. These services promote residual stress relief, material stabilization, enhanced wear characteristics, and crystalline micro-structure transformation in metals.

"The introduction of our new cryogenic thermal cycling system will allow us to better meet our customers' most advanced cryogenic thermal cycling profiles," stated Robin Rhodes, the President of the Cryogenic Institute of New England, Inc. The new system is capable of following extreme process ramps and profiles that will meet any customers' requirements. In addition, the system will complete the company's proprietary cryogenic treatment processes.

A major benefit of this thermal cycling unit is that parts do not need to be coated in a rust-preventative before undergoing the cryogenic treatment process. "The new system allows parts to be cryogenically treated and then post-tempered all within the same unit, eliminating the need for parts to be oiled," according to Director of Operations, Bryce Trani. As a result, parts do not need to be cleaned of oil between the freezing and heating cycles. "Therefore, the process now involves two less steps, which allows us to pass this savings on to our customers," he added.

"The introduction of this cryogenic thermal cycling unit allows us to work with customers on virtually any cryogenic treatment cycle between -310°F and +500°F," declared Ryan Taylor, Product Marketing Specialist at Cryogenic Institute of New England, Inc. "The bottom line is that our customers will be the

## **Nitrofreeze® Cryogenic Treatment Service (cont.)**

primary beneficiaries of the system acquisition; who will now be better served through lower costs, enhanced profile parameters and a sophisticated hi-tech system,” he further stated.

The company provides its Nitrofreeze® Cryogenic Treatment Service on a weekly basis. It boasts fast turnaround time, with processes starting on Friday and the return of customer’ parts the following Tuesday. Nitrofreeze® Thermal Cycles are completed on an individual customer basis due to their unique cycling profiles. Typical process loads range from a pound of product to several thousand pounds at a time.

More information is available at the company’s web pages, [http://www.nitrofreeze.com/cryogenic\\_treatment.html](http://www.nitrofreeze.com/cryogenic_treatment.html) or [http://www.nitrofreeze.com/thermal\\_cycling.html](http://www.nitrofreeze.com/thermal_cycling.html).

The Cryogenic Institute of New England, Inc., located at 78 Chilmark St. Worcester, Massachusetts, USA, (508) 459 7447, is dedicated to the commercial application of cryogenic technologies to serve the needs of industry, government and scientists. The firm offers a full range of Nitrofreeze® cryogenic services, including cryogenic burr removal service, cryogenic deflashing services, conventional cryogenic treatment, heat & freeze thermal cycling, shrink fitting services, and dry ice (CO2) blast cleaning. It also offers engineering services, cryogenic lab work in support of R & D, and custom equipment design for new and unique cryogenic applications. It is a corporate sustaining member of the Cryogenic Society of America and ASM-The Material Society.