



## **Spheric Technologies' High-Temperature Continuous Production Microwave Furnace Now Operating at Alfred University NanoMaterials Innovation Center; First in Western Hemisphere**

Phoenix, AZ, 8/23/2010 – The Western Hemisphere's first high-temperature (1500° C) [continuous production microwave furnace](#) is now fully functional at New York's [NanoMaterials Innovation Center](#) (NMIC), a wholly owned subsidiary of Alfred Technology Resources, Inc. (ATRI), near the campus of Alfred University. The announcement came from Spheric Technologies, Inc., the Arizona company that sold the **SPHERIC/SYNO-THERM** system and that has been providing assistance with set-up, training and beta testing.

Joseph Hines, Spheric Technologies Chairman and CEO, said, "This installation is providing valuable exposure for our microwave furnace technology. The NanoMaterials Innovation Center, a magnet for commercial R&D, is the ultimate showcase for our cost-cutting microwave processing system. We are delighted to be associated with an institution that is so highly regarded by academia and industry."

In Asia, continuous microwave furnaces are used in the chemical synthesis of phosphors for electronics, lighting materials and more; and for sintering electronic components and other critical ceramic items. Penn State University and Japan's National Institute for Fusion Science report that microwave furnaces typically use up to 80% less energy than conventional furnaces, producing stronger, finer-grained parts with less deformation and cracking in as little as one-tenth the time. Spheric Technologies' continuous and batch microwave furnaces are also well-suited for the sintering of certain powder metal and ceramic materials that require high temperature processing.

A variety of American companies are using the Alfred furnace for proprietary microwave research. For example, Spheric Technologies is performing contract research on the production of ceramic materials for use in the natural resources development industry. Another company is scheduled this month to gauge the system's utility in producing cement, evaluating energy, time and production cost advantages. A major metals supplier plans to conduct its own metallurgy tests using the furnace. In each case, non-disclosure agreements shield the companies as they evaluate microwave processing to gain a competitive edge in their respective industries.

Alfred University is the most prestigious ceramics school in the country, with a history of collaborating with industry to pioneer and promote the adoption of innovative

technologies. The NMIC provides a wide range of cutting-edge microwave sintering and manufacturing equipment. Researchers will use the Spheric Technologies system to synthesize and consolidate nano-sized ceramic powders into multi-layer and monolithic ceramics, while retaining the enhanced properties associated with nano-structured materials and for other high-temperature materials processes.

Jon Wilder, Executive Director of Alfred Technology Resources, commented, “The collaborative efforts of ATRI and its two stakeholders, Alfred University and Corning Incorporated, have enabled the creation of the NanoMaterials Innovation Center. Our vision is to offer a neutral partnering ground to academia and industry for partnering on R&D projects; to promote technology transfer and assist new start-ups that will in turn utilize the incubator and create jobs in the region. The NMIC will be a premier location for this type of R&D due to the unique combination of equipment available in one location and a cost saving factor to companies who would otherwise need to invest substantial dollars to conduct this type of research. Being able to offer use of highly advanced equipment, such as the Spheric Technologies continuous microwave furnace, brings exciting opportunities for ground-breaking technology development.”

About Spheric Technologies, Inc.

Spheric Technologies, Inc., markets high-temperature industrial microwave furnaces and technologies for the processing of powder metals and ceramics, and is developing microwave treatment systems for the mining and wastewater industries. The company has also developed and patented technology for the production of fine-particle, high-purity metal oxides. Spheric Technologies holds exclusive U.S. licenses for a group of patents covering the use of microwave technology to sinter (bind at high temperature, without melting) powder metal components and other materials for industrial use. The patents also cover industrial microwave furnace design and microwave heating. Information at [www.SphericTech.com](http://www.SphericTech.com).

#### Forward-Looking Statements

This press release may contain forward-looking statements made in reliance upon the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include, but are not limited to, the Company’s views on future profitability, commercial revenues, market growth, capital requirements, and new product introductions, and are generally identified by words such as “thinks,” “anticipates,” “believes,” “estimates,” “expects,” “intends,” “plans,” and similar words. Forward-looking statements are not guarantees of future performance and are inherently subject to uncertainties and other factors which could cause actual results to differ materially from the forward-looking statements. Forward-looking statements are based on information presently available to senior management, and the Company has not assumed any duty to update its forward-looking statements.

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*Photo of the Spheric Technologies continuous production microwave furnace is available.*

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