

Rolla, MO

Brewer Science, Inc., is pleased to announce that it has entered into an agreement with Nantero, Inc., of Woburn, Massachusetts, to commercialize CMOS-grade carbon nanotube solution utilizing processes developed by Nantero. This will allow carbon nanotubes (CNTs) to be used in semiconductor fabs by Brewer Science customers. Brewer Science will use its skill in producing electronic grade chemicals to deliver high quality CMOS-grade carbon nanotube solutions which will enable the manufacturing of nonvolatile memory devices.

Carbon nanotubes are graphite-like structures composed entirely of carbon and having linkages called fullerenes, so named because the structure of CNTs resembles the geodesic dome structure developed by Buckminster Fuller. Carbon nanotubes were first discovered in 1991 by electron microscopist Sumio Iijima, who was studying the material deposited on the cathode during the arc-evaporation synthesis of fullerenes. In 1996, Richard Smalley, a professor at Rice University, developed a commercially viable method for producing CNTs.

Brewer Science is a multi-divisional technology company providing product and process solutions in the microelectronic, optoelectronic, sensor and MEMS industries. Since its founding in 1981, Brewer Science has been in the business of supplying high-quality chemicals to the integrated circuit industry. The company's family of products includes ARC® anti-reflective coatings for state-of-the-art photolithography applications; Cee® benchtop spinners, coaters and hot plates for custom wafer processing; Talon™ track systems and CON-TACT® planarization systems.

Under the leadership of Dr. Terry Brewer, president and founder, Brewer Science continues to seek innovative technologies, reliable products and meaningful services, each attuned to the specific needs of individual customers.

“This is a unique opportunity for Brewer Science and Nantero. By bringing together the skills and expertise of these two companies, we are creating more value than either company could create alone. By leveraging each company's strengths, we can develop a new model for developing new products in the nano-arena. This is a great opportunity for our company.”

—Terry Brewer, President and Founder, Brewer Science, Inc.

"As Moore's Law requires us in the IC industry to move to faster and faster devices, and therefore smaller and smaller features, nanotubes have the ability to give us a

technological and therefore competitive advantage in supplying our customers.”

—Tony Flaim, Chief Technology Officer, Brewer Science, Inc.

“Nantero is pleased to be working with BSI, one of the most innovative and well-respected suppliers to the semiconductor industry. By joining with BSI, we can together ensure a reliable and high-quality supply of carbon nanotube solution that meets the demanding standards of the semiconductor industry. This new product will help support the development of breakthrough new products leveraging carbon nanotubes.”

—Greg Schmergel, CEO, Nantero, Inc.

### **About Nantero**

Nantero is a nanotechnology company using carbon nanotubes for the development of next-generation semiconductor devices. Nantero’s main focus is the development of NRAM™—a high-density nonvolatile random access storage device. NRAM™ will replace all existing forms of storage, such as DRAM, SRAM and flash memory, with a high-density nonvolatile RAM—“universal memory.” The potential applications for the nonvolatile RAM Nantero is developing total over \$100B in revenue potential, including the ability to enable instant-on computers and to replace the memory in devices such as cell phones, MP3 players, digital cameras, and PDAs, as well as applications in the networking arena. NRAM™ can be manufactured for both standalone and embedded memory applications. Nantero is also working with licensees on the development of additional applications of its core nanotube-based technology. For more information on Nantero, Inc., contact SGN Public Relations & Marketing at [Suzanne@nantero.com](mailto:Suzanne@nantero.com)

For more information about Brewer Science, Inc., contact Loretta Wallis, Director Public Relations and Corporate Marketing, at [loretta@brewerscience.com](mailto:loretta@brewerscience.com) or call at 573-364-0300.