

What's New?

Last month we brought you up to date on what had happened in the previous few months, a period in which we hunkered down to withstand the financial storm and had, as a result, failed to issue our usually monthly newsletter. We promised you an accelerated pace of upcoming news, and we're here to deliver on that promise. Last week we told you there'd be news of "A new carbon nanotube material that is the most conductive material we've ever made." Well, here it is:

SWeNT® CG 200

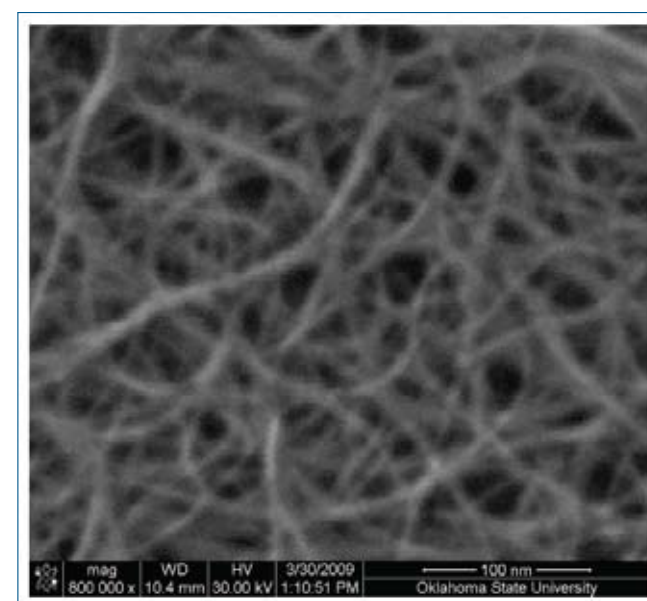
One of the most exciting opportunities for Single-walled Carbon Nanotubes (SWCNT) is for use in thin conductive coatings, particularly on flexible films. The opportunities include transparent electrodes for Solar Cells, Solid State Lighting, Touchscreens, ESD coatings and Displays. In most cases the need is for a replacement for the commonly used Indium-Tin-Oxide (ITO). But ITO has problems: It's brittle, it's expensive, it is not compatible with roll-to-roll printing processes, and Indium is becoming increasingly rare.

Carbon nanotubes have long been considered as an attractive ITO replacement. Promising results have been attained in various laboratories around the world. But what has been lacking is large-scale production of highly conductive SWCNTs at an affordable price. CG 200 meets this need. We have started production of CG 200, which is characterized by longer and greater diameter tubes, a higher level of purity and a higher ratio of metallic to semiconducting tubes than was found in CG 100.

The product is an offshoot of contractual work done for a major aerospace company. In a test used for assessing materials to be used to replace metal wires it was demonstrated that CG 200 produced a structure several times more conductive than the previous benchmark (CG 100). The same factors that made a more conductive "wire" will give significant improvements in the area of transparent conductors.

CG 200 will meet the requirements of many of our targeted applications. For products needing even greater conductivity our R & D group is already at work on the next generation technology.

CG 200 is in stock and available for immediate shipping.



More News:



- We're proud to announce we've been awarded an OARS (OKLAHOMA APPLIED RESEARCH SUPPORT) grant from the **Oklahoma Center for the Advancement of Science and Technology**. The funded work is directed towards an unmet market need for small diameter, affordable MWCNT in commercial quantities. SWeNT is expanding its product range to address this need, venturing into the Specialty Multiwall arena. Consider this a sneak preview of a future newsletter, when we'll be able to tell you more about "what's up with that"?

- On May 5 and 6 you can find us at booth 443 at the NSTI Nanotech Conference and Expo 2009 in Houston. This may be the most important nanotechnology show of the year. You ought to go, and if you do, stop by and visit us.



- Associated with this event is a special Innovation Symposium sponsored by Lockheed Martin on Monday the 4th. Our invited paper "Single-Wall Carbon Nanotubes: Chirality Control, Capacity, Commercial Readiness" has been accepted into the agenda.

- Our paper "Silica Functionalized with Single-wall Carbon Nanotubes for Electrically Conductive Fillers in Thermoplastics" has been accepted for presentation in the "Electrical Properties of Nanocomposites" session for the SAMPE '09 Conference, taking place May 18-21 at the Baltimore Convention Center in Baltimore, MD. Dr. Ricardo Prada-Silvy, our Research and Process Development Manager will present.

- Sigma Aldrich, our distributor for the research market, has published our paper entitled "Manufacturing, Characterization and Use of Single Wall Carbon Nanotubes" in its latest edition of "Material Matters" their well-respected quarterly technical journal (Volume 4, No. 1) The Periodical can be found on their website. Reprints will soon be available upon request from us.

- The National Nanotechnology Initiative* held its Spring Workshop in Oklahoma City this year, and as part of the program SWeNT hosted two busloads of workshop attendees on a tour of our manufacturing plant. It was a great opportunity for us to show off our great new plant and equipment. We were very proud, and our guests certainly seemed impressed.

That's all for now.

* The National Nanotechnology Initiative (NNI) is the program established in fiscal year 2001 to coordinate Federal nanotechnology research and development. For more information visit http://www.nano.gov/html/about/home_about.html

Contact Us

SWeNT

2501 Technology Place
Norman, OK 73071-1102

Phone: (405) 217-8388, Fax: (405) 217-8389

info@swentnano.com / <http://swentnano.com>