



- Press Release -

Brewer Science[®] Wins the IDTechEX R&D Award

Rolla, MO (April 8, 2009)

Brewer Science was honored at the Printed Electronics Europe 2009 Conference with the IDTechEX Academic R&D Award for printed carbon nanotube transistors. Brewer Science, a leader in the manufacture of high-purity, surfactant-free carbon nanotube solutions, received this recognition for work done in partnership with the University of Massachusetts at Lowell and Optomec. The 2009 IDTechEX Academic R&D Award acknowledges the demonstration of thin-film transistors (TFTs) with operating frequencies exceeding 5 GHz built from single-walled carbon nanotube ink from Brewer Science, printed using Optomec's Aerosol Jet[®] equipment.

"Although our technical achievement is significant enough to garner an academic award, the work was done with materials and equipment that are at production scale," says Brewer Science lead scientist Dr. Wu-Sheng Shih. "In addition to the cost reduction from avoiding lithography, the fact that the deposition is near room temperature opens the door to many inexpensive and flexible substrates. The barriers to using carbon nanotubes in flexible electronics are falling, and we are happy to be part of that process."

The Brewer Science CNTRENE[™] line of carbon nanotube solutions is used in the development and manufacture of next-generation microelectronic devices. These materials can also support the manufacture of TFTs, sensors, solar cells, and transparent conducting applications.

About Brewer Science

Brewer Science delivers innovative material and process solutions for various applications including lithography, advanced packaging, MEMS, nanotechnology, optoelectronics, and compound semiconductors. The inventor of ARC[®] anti-reflective coating products for the microlithography world, Brewer Science continues to expand its scope with ProTEK[®] temporary etch protective coatings, WaferBOND[™] temporary bonding materials, and CNTRENE[™] microelectronics-grade carbon nanotube solutions. Exceptional technical expertise and extensive semiconductor industry knowledge, combined with world-class product and customer support, make Brewer Science a company that consistently enhances the value of the entire electronics industry.

About the Printed Electronics Awards

The Printed Electronics Awards were founded by IDTechEX as a platform to recognize outstanding achievement within and outside the industry. The awards are judged by an international panel of experts in the field.

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