

# *NEWS RELEASE*

## **COMPANY CONTACT**

Doug Baker  
Applied Nanotech Holdings, Inc.  
248.391.0612  
dbaker@appliednanotech.net

## **Applied Nanotech Wins 2009 R&D 100 Award for CarbAl™ Heat Transfer Material**

**Austin, TX, July 21, 2009** – Applied Nanotech Holdings, Inc. (OTC BB: APNT) is pleased to announce that its subsidiary Applied Nanotech, Inc. (ANI) and one of its strategic partners in Japan have won the coveted R&D 100 award for CarbAl™ heat transfer material.

“The R&D 100 Awards honor the latest technology developments that are designed to meet societal, scientific, or business challenges facing us today—and tomorrow,” said Rita Peters, editorial director of R&D Magazine.

The winning of an R&D 100 Award provides a mark of excellence known to industry, government, and academia as proof that the product is one of the most innovative ideas of the year.

“We are extremely honored that our innovation in the field of thermal management has been recognized as one of the 100 most technologically significant products introduced in the past year,” said APNT CEO, Doug Baker.

A major technical issue in the development of electronics is temperature control. If one can remove heat quickly from a heat source and improve the thermal matching of material and device interfaces, the lifetime and reliability of a product can be improved dramatically. Product failure caused by the buildup of heat in electronics and thermal stresses can be prevented. This low cost carbon aluminum matrix material provides a unique combination of high thermal diffusivity, high thermal conductivity, low density and a low coefficient of thermal expansion making it highly suitable for improving thermal management of electronics.

“As a scientist who has dedicated my career to innovation and solving technical impasses, I am delighted the CarbAl™ material has been selected for an award that is considered to be the ‘Oscars of Invention’,” said Applied Nanotech, Inc. CEO Dr. Zvi Yaniv.

Since 1963, the R&D 100 Awards have identified revolutionary technologies newly introduced to the market. Many of these have become household names, helping shape everyday life for many Americans. These include the flashcube (1965), the automated teller machine (1973), the halogen lamp (1974), the fax machine (1975), the liquid crystal display (1980), the printer (1986), the Kodak Photo CD (1991), the Nicoderm antismoking patch (1992), Taxol anticancer drug (1993), lab on a chip (1996), and HDTV (1998).

Winners of the R&D 100 Awards are selected by an independent judging panel and the editors of R&D Magazine. The publication and its online portal serve research scientists, engineers, and other technical staff members at high tech industrial companies and public and private laboratories around the world.

More Information on CarbAI™ can be found APNT's website at [www.appliednanotech.net](http://www.appliednanotech.net).

#### **ABOUT R&D MAGAZINE**

Since its founding in 1959 as Industrial Research, R&D Magazine has served research scientists, engineers and technical staff at laboratories around the world, providing timely, informative news and useful technical articles that broaden readers' knowledge of the research and development industry and improve the quality of their work. R&D Magazine is a publication of Advantage Business Media ([www.advantagebusinessmedia.com](http://www.advantagebusinessmedia.com)).

#### **APPLIED NANOTECH HOLDINGS, INC.**

Applied Nanotech Holdings, Inc. is a premier research and commercialization organization focused on solving problems at the molecular level. Its team of PhD level scientists and engineers work with companies and other organizations to solve technical impasses and create innovations that will create a competitive advantage. The business model is to license patents and technology to partners that will manufacture and distribute products using the technology. Applied Nanotech has over 250 patents or patents pending. APNT also possesses investments related to electronic digitized sign technology. Applied Nanotech's website is [www.appliednanotech.net](http://www.appliednanotech.net).

###