

NEWS RELEASE

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Applied Nanotech and UniJet Announce Strategic Agreement for Printed Electronics

Austin, TX, October 19, 2009 – Applied Nanotech Holdings, Inc. (OTC BB: APNT) announced that it has entered into a strategic agreement with UniJet Co. Ltd, an original equipment manufacturer of industrial scale inkjet printing systems for high volume manufacturing and a global leader in the emerging field of printed electronics.

As part of the commitment, Applied Nanotech (ANI) has installed a UniJet OmniJet 100 Printing System in its facility for use with its ink technologies. The cooperation agreement between the companies includes the introduction of ANI customers to UniJet printers and the supply of the optimized UniJet printers for ANI inks. The companies will cooperate to jointly develop applications in the printed electronics industry.

“Technically speaking, the UniJet systems offer the flexibility of working with printer heads from multiple suppliers,” said Dr. Zvi Yaniv, CEO of Applied Nanotech, Inc. “Since printer heads are designed to offer distinct attributes for different application requirements, this enables users to develop a variety of applications using the same capital equipment.”

“The relationship with UniJet allows us to optimize our ink portfolio on high volume industrial scale equipment,” said Doug Baker, CEO of APNT. “This will facilitate the use of our inks in manufacturing lines by reducing the time and investment required by our customers to bring their products to market. This is an important component of our Technical Ink Printing Solution.”

For more information about sales of UniJet printers in the US or to discuss application needs, please contact Applied Nanotech, Inc. sales@appliednanotech.net or visit with UniJet and ANI at Printed Electronics USA 2009 in San Jose, CA December 1-4.

ABOUT 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.

ABOUT UNIJET CO., LTD

UniJet Co. Ltd is a total solution provider of inkjet printing systems and technology, especially for electronic material deposition. UniJet supplies from printing systems ranging from R&D systems to mass production systems for LCD, PDP, OLED, PLED, solar cell, PCB, RFID, semiconductor packaging, and various coating applications. Mass production systems are customized to meet the application requirements and specifications with R2R printing systems. UniJet also offers process know how for various application developments as well as for application specific inks.

www.unijet.co.kr

SAFE HARBOR STATEMENT

This press release contains forward-looking statements that involve risks and uncertainties concerning our business, products, and financial results. Actual results may differ materially from the results predicted. More information about potential risk factors that could affect our business, products, and financial results are included in our annual report on Form 10-K for the fiscal year ended December 31, 2008, and in reports subsequently filed by us with the Securities and Exchange Commission ("SEC"). All documents are available through the SEC's Electronic Data Gathering Analysis and Retrieval System (EDGAR) at www.sec.gov or from our website listed above. We hereby disclaim any obligation to publicly update the information provided above, including forward-looking statements, to reflect subsequent events or circumstances.

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