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Press Release
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David Burton named General Manager of Pyrograf Products, Inc.

www.pyrografproducts.com

Cedarville, OH - David Burton has been named General Manager of Pyrograf Products, Inc. (PPI), the company's President, Max Lake, announced today.

PPI is one the leading carbon nanofiber producers in the world, with an annual production capacity of 50,000 lbs., hundreds of customers and an international distribution network, covering the European and Asian markets. The company sells its carbon nanofibers, in powder form, direct to customers in North America. The Electrovac Group, of Vienna, Austria, is PPI's European distributor; and GSI Creos Corp. (GSI) of Tokyo, Japan, distributes PPI's carbon nanofibers to the Asian market.

PPI holds the exclusive license to manufacture, sell and distribute Pyrograf®-III, a carbon nanofiber developed by Applied Sciences, Inc. (ASI), also of Cedarville, OH. The two firms are affiliated, with ASI focusing on research and development of innovative carbon-based materials and PPI focusing on scaleable, low-cost techniques to produce high-quality carbon nanomaterials.

Burton is a 14-year veteran of both PPI and ASI. He previously served as production manager for PPI, and helped transition production of Pyrograf carbon nanofibers from laboratory—scale to its current full-scale operations. He also served as R&D Manager for ASI, working with current and prospective customers to develop nano-enhanced products, including aircraft brakes, thermal grease and electrically-conductive polymers. Burton holds a B.S. degree in Chemical Engineering from the University of Cincinnati.

"Given Dave's background in carbon nanofiber production, customer support and product development, he is well qualified to oversee the day-to-day operations of PPI and to help transition the company into future manufacturing scale-up and product development plans," said Lake.

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"We are currently working with several large customers to help launch new products that include our Pyrogaf-III carbon nanofibers," said Lake. "We expect that our customers' product launches will require us to scale up our production capacity, and maintain product quality and on-time delivery our customers have grown to expect from us. Dave's leadership will help ensure that we meet these stringent requirements that we, and our customers, place on us."

Background on Nanotechnology

Nanotechnology involves the study of materials, structures and devices that have novel properties because of their small size – generally at the 1 to 100 nanometer range. (A nanometer is 1 billion times smaller than a meter). PPI's carbon nanofibers are about 100 nanometers in diameter – approximately 1,000 times smaller than a human hair. When added to existing materials, such as plastics, PPI's carbon nanofibers improve the materials' strength and its thermal and electrical conductivity. Potential products from nano-enhanced materials include: longer-wearing automotive tires, electrically conductive body panels, aircraft polymers with improved lightning strike protection, high-performance fuel cells, more durable consumer electronics and longer-lasting concrete roads.

One of the major hurdles facing nanomaterials is the challenge of producing large quantities of material at affordable prices. PPI's niche is the ability to produce high quality, carbon nanofibers using inexpensive precursors – metal catalysts and industrial gases. PPI has also demonstrated a process for using high sulfur coal to produce carbon nanofibers.

About the Companies

Pyrograf Products, Inc. (PPI) is one of the world's leading producers of carbon nanomaterials. PPI has the worldwide exclusive license to produce and sell one form of carbon nanofibers - Pyrograf-III – originally developed by Applied Sciences. PPI was incorporated in 1996 to produce and sell Pyrograf-III carbon nanofibers as a subsidiary of ASI. In 2000, PPI received investments and spun off as a separate, but affiliated company of ASI. In 2002 PPI began steady state production of Pyrograf-III carbon nanofibers at its manufacturing plant in Cedarville, OH. (For more information, see: www.pyrografproducts.com)

Applied Sciences, Inc. (ASI), PPI's research affiliate, develops innovative carbon nanomaterials and their applications. Materials currently under development include vapor-grown carbon fibers, diamond thin films, and engineered polymers and composites derived there from. In addition to superior thermal, electrical and mechanical performance, these materials possess various other desirable properties, including low cost. (For more information, see: www.apsci.com).

Pyrograf is a registered trademark of Applied Sciences, Inc.

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