



CarTech® Puris™ 5+ Titanium Powder Shows Promising Results

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PHILADELPHIA, Nov. 13, 2017 (GLOBE NEWSWIRE) -- Carpenter Technology Corporation (NYSE:CRS) announced today that its Carpenter Powder Products (CPP) business has recently released new data from testing of its CarTech Puris 5+ titanium powder. CarTech Puris 5+ titanium powder is a custom composition of Ti 6Al-4V Grade 5 that maintains high strength with lower oxygen content. Preliminary results show that CarTech Puris 5+ titanium powder exceeds the standard Ti 6Al-4V Grade 5 strength levels by nearly 18%, providing maximum reusability and high strength.

This alloy was developed specifically for Additive Manufacturing (AM). "Recent collaborative work with CalRAM (Camarillo, CA) on Electron Beam Melting (EBM) machines have been very promising and are exceeding customer expectations," says Mike Murtagh, PhD, Chief Technology Officer. "Furthermore, CarTech Puris 5+ remains within the Grade 5 specification which enables a seamless transition." A datasheet for this alloy is available at www.carttech.com.

Carpenter Technology is a leader in AM materials solutions, services, and support capabilities. With hundreds of alloy grades already in its portfolio, Carpenter is also capable of developing or customizing alloys to customers' evolving AM needs. Carpenter additive and materials experts will be available at formnext 2017 in Frankfurt, Germany from November 14th – 17th, booth 3.0-H82.

About Carpenter Technology

Carpenter Technology Corporation is a leading producer and distributor of premium specialty alloys, including titanium alloys, nickel and cobalt based superalloys, stainless steels, alloy steels and tool steels. Carpenter's high-performance materials and advanced process solutions are an integral part of critical applications used within the aerospace, transportation, medical and energy markets, among other markets. Building on its history of innovation, Carpenter's powder technology capabilities support a range of next-generation products and manufacturing techniques, including Additive Manufacturing and 3D Printing. Information about Carpenter can be found at www.carttech.com.

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