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**2008 TITANIUM APPLICATIONS DEVELOPMENT AWARD
SUSAN M. ABKOWITZ, DYNAMET TECHNOLOGY INC.**

The International Titanium Association (ITA) has selected Ms. Susan M. Abkowitz as the 2008 Titanium Applications Development Award Winner. The Award will be presented on September 22, 2008 during the Annual Luncheon at the TITANIUM 2008 Conference and Exhibition. Ms. Abkowitz will receive the award for successfully pioneering the development and commercialization of its CermeTi® metal matrix composite material.

Ms. Abkowitz, V.P. Technology & Operations, joined Dynamet Technology, Inc. in Burlington, Massachusetts in 1989, after several years in engineering and management positions at NMI. She earned degrees from the University of Pennsylvania's Engineering and Wharton Schools under its Management & Technology Program. Ms. Abkowitz directs the research and the manufacturing operations at Dynamet Technology. She has led the development of Dynamet's manufacturing technology and the commercialization of its CermeTi® composite materials for industrial and medical applications. Along with the engineering and manufacturing staff she is developing titanium applications for lightweight tank components and new biomedical alloys. Ms. Abkowitz, is an ITA member, a Fellow of ASM International and is a past Chairman of the Boston Chapter.

The development of Dynamet's CermeTi® titanium matrix composite has with its commercialization opened the door to many innovative applications for this highly wear resistant titanium composite. This composite manufacturing technology development and its commercialization is the result of the exceptional technological and marketing efforts of Ms. Abkowitz.

The manufacturing technology represents a technical breakthrough that involves the use of powder metal processes that combine titanium metal and alloy powders with TiC ceramic particulate. The powder consolidation by vacuum sintering and hot isostatic pressing provides a fully densified titanium metal matrix composite offering wear resistance far superior to any commercial titanium alloy. In addition the alloy composite improves the elevated temperature strength and modulus of elasticity over current titanium alloys.

Unlike improvements of conventional titanium alloys wherein a new alloy may present an incremental enhancement of some properties and might replace an existing titanium alloy, such as Ti-6Al-4V or Ti-10-2-3, this new metal matrix product is opening the door to applications in which titanium would not and could not be previously considered.

The trademarked, patented and patent pending CermeTi®-C material is finding commercial application in industrial components and biomedical devices and is undergoing evaluation for applications in military structural equipment and commercial consumer components.

Ms. Abkowitz, having pioneered these diverse applications in industrial and biomedical applications is also overseeing the development of this material for military hardware. In these applications the wear resistant titanium structures would be replacing steel components permitting the achievement of lightweight goals for advanced military vehicles. Additional CermeTi® applications being pursued range from automotive valves and connecting rods to consumer products such as lightweight hockey skate blades

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