



For Immediate Release

Reduction Engineering Scheer Launches Its First Milling System for Ultra-Fine Cryogenic Size Reduction

Black Ice Series Cryonizer Offers Significant Performance and Cost Advantages Over Competitive Systems

October 13, 2009 – Reduction Engineering Scheer Inc., Kent, Ohio, a leading supplier of pelletizers and pulverizers, has joined with Air Products, Allentown, Pa., to introduce its first cryogenic impact mill for ultra-fine size reduction of a range of materials. The new Black Ice Series Cryonizer delivers higher productivity, tighter particle distribution, greater versatility, and lower cost versus competitive cryogenic fine milling systems. The new product was launched at Rubber Expo '09 in Pittsburgh, Pa., (Booth 519) Oct. 13-15.

The new cryogenic impact mill – available in 200-mm to 1000-mm rotor diameters - offers an efficient and economical solution for a range of size-reduction applications including thermoplastic elastomers (TPEs), cured and uncured rubbers, pharmaceutical/nutraceutical products, pigments, powder coatings, waxes/sterates, adhesives, and spice and herb products.

The Black Ice Series represents an important advancement in cryogenic fine

milling - a size reduction method which uses liquid nitrogen. The cryonizer incorporates three milling actions: impact milling, attrition milling, and particle-to-particle impact milling, according to James Mauri, Reduction Engineering Scheer product manager. The result is an ultra-fine powder as low as 50 microns in some cases.

The new cryonizer boasts a variable speed adjustment which helps to fine tune the grinding, and a reverse rotation option that provides bi-directional operation for more efficient and economical milling. Another innovative feature is precision gapping, a novel system that quickly changes milling gaps for optimum speed. The cryonizer's tear-drop shape allows for easy configuration of downstream equipment while the drive system consists of oil-free, high-speed sealed bearings which help to reduce maintenance and downtime.

Unlike manually disassembled mills, the Black Ice Series uses air cylinders to open the mill for maintenance, cleaning, and changeovers. The cryonizer can be used as a standalone mill or as part of a cryogenic mill system that incorporates a cooling conveyor, PLC controls, cyclone, and air evacuation.

The Black Ice Series is manufactured in the U.S. and available globally with favorable lead times.

About Reduction Engineering Scheer Inc.

Located in Kent, Ohio, Reduction Engineering Scheer Inc. is a worldwide supplier of pulverizers, pelletizers, and rotational molding equipment, and it also engineers and commissions turnkey production systems. More information is available by calling James Mauri at (330) 677-2225, e-mail jmauri@reductionengineering.com, or visit www.reductionengineering.com.

About Air Products

Air Products (NYSE:APD) serves customers in industrial, energy, technology and healthcare markets worldwide with a unique portfolio of atmospheric gases, process and

specialty gases, performance materials, and equipment and services. Founded in 1940, Air Products has built leading positions in key growth markets such as semiconductor materials, refinery hydrogen, home healthcare services, natural gas liquefaction, and advanced coatings and adhesives. The company is recognized for its innovative culture, operational excellence and commitment to safety and the environment. Air Products had fiscal 2008 revenues of \$10.4 billion, operations in over 40 countries, and 21,000 employees around the globe. For more information, call (800) 654-4567 or visit www.airproducts.com.

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