130 North Main Street
Suite 630
Butte Mt 59701
(406) 497-5256

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Contact:
Elyse Lewis
Resodyn Acoustic Mixers Inc.
130 W. Main Street
Butte, MT 59701
Phone: 406-497-5246
FAX: 406-497-5206
Email: info@ResodynMixers.com
URL: www.ResodynMixers.com

Subject: Resodyn Acoustic Mixers, Inc. is Awarded Breakthrough Product of the Year

The December 2007 issue of *Processing* magazine awarded Resodyn Acoustic Mixer's LabRAM Mixer as a Breakthrough Product of the Year. This is among the most prestigious awards given in the process industry and is awarded to innovative products which are expected to make a significant impact on the industry.

LabRAM Mixer

In the fall of 2006 Resodyn Acoustic Mixers, Inc., commenced producing, at a commercial scale, its product line of mixers, which utilize the company's proprietary technology, ResonantAcoustic® Mixing (RAM). A US patent for this technology issued in March 2007. The first product to launch was the LabRAM ResonantAcoustic® Mixer, a laboratory mixer that can mix up to 1 pint. Production scale products for mixing 5 gallons and 55 gallons will be commercially available in 2008.

RAM is a new approach to solving mixing and dispersion problems that is distinct to either conventional impeller agitation, or ultrasonic mixing. Low-frequency, high-intensity acoustic energy is used to create a uniform shear field throughout an entire mixing vessel. The result is rapid fluidization and dispersion of material. A consistent mixture is achieved very quickly. Production cycle times can be reduced, or process steps can be eliminated, while at the same time improving product quality and consistency.

Since RAM technology uses no impellers, cleanup time and product waste are reduced. There are no localized areas of high shear typically found in conventional mixers using impellers. Heat generation is minimal. The RAM technology is ideal for thermally sensitive or high value materials.

RAM technology is very versatile. It is suitable for mixing gases, liquids, solids, powders and very viscous compounds. RAM offers flexibility in vessel size and design. It provides the opportunity to mix in disposable containers, sealed vessels, or in the end-use container. In-vessel sealed mixing is particularly desirable for hazardous materials, or pharmaceutical compounds.

RAM is a totally new and novel technology which will enable new process and product innovations.

> "Our testing with the ResonantAcoustic® technology has demonstrated filler incorporation at phenomenal rates and with very little viscous heating. This technology could have a far broader impact on the chemical industry than anyone is imagining today"
>
> Dr. Sue Gelderbloom
> Senior Process Engineering Specialist
> Dow Corning

> "The Resodyn Corporation's ResonantAcoustic® Mixing technology exhibits unique benefits that streamline the mixing process for gelled propellants."
>
> Doug L. May
> Advanced Fuels Program Manager
> U.S. Army Aviation and Missile Command

Resodyn Acoustic Mixer's LabRAM is the first development in a product line of mixers which are bringing an entirely new technology for mixing to the processing industry. And for this reason the LabRAM ResonantAcoustic® Mixer was awarded the honor of being *Processing's* the Breakthrough Product of the Year.

Additional information on the LabRAM or ResonantAcoustic® Mixing may be obtained from Resodyn Acoustic Mixers, Inc. by calling 406-497-5333, emailing info@ResodynMixers.com or visiting www.ResodynMixers.com.

About Resodyn Acoustic Mixers
Resodyn Acoustic Mixers, Inc. located in Butte, Montana is the premier supplier of ResonantAcoustic® mixers to laboratories, universities and industry. The company designs manufactures and markets advanced mixing systems using low-frequency, high intensity sound technology patented by the Resodyn Corporation. www.ResodynMixer.com.
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