

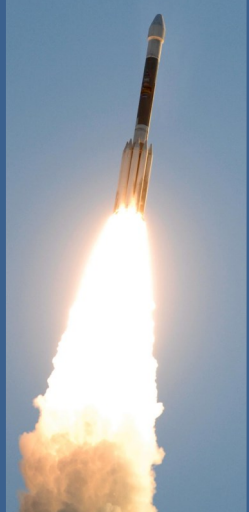
RAM 55



the way you
think about
mixing and
processing



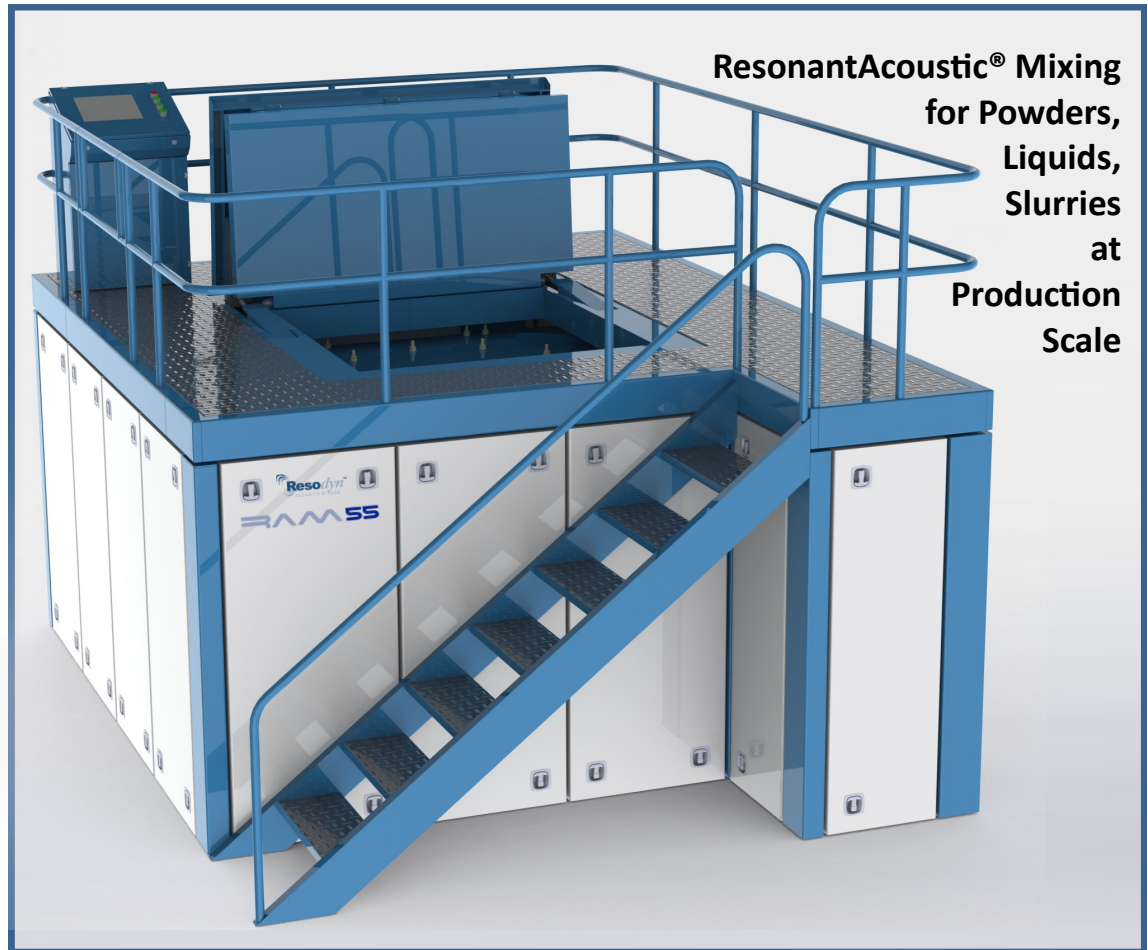
PYROTECHNICS



PROPELLANTS



MUNITIONS



ResonantAcoustic® Mixing
for Powders,
Liquids,
Slurries
at
Production
Scale

Resodyn Acoustic Mixers' production scale mixer, the **RAM 55**, drastically increases the productivity and capabilities of our customers. **RAM 55** enables the manufacture of a broad range of products:

- For Less Cost
- More Consistently
- With Less Waste
- More Efficiently
- More Uniformly
- Often with Unprecedented Results

ResonantAcoustic® Mixing (RAM) is rapidly evolving as the *method of choice* for developing and manufacturing products across many industries.

RAM 55 Features

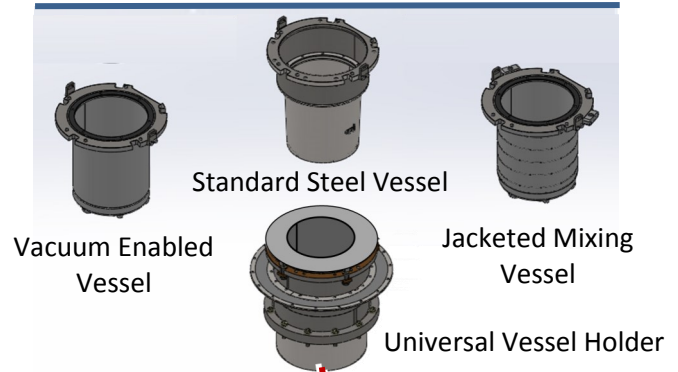
- Up to 920 pounds (417 kilograms) of mix capacity
- Application-specific mixing vessels with several options
- Up to 100g's of acceleration for powerful bulk mixing
- Intense, but gentle acoustic mixing for consistency and quality
- Digital control, programming, recording of all critical and metric functions
- Jacketed Mixing Vessel provides optional temperature control from 302°F heating to 34°F cooling
- Vacuum equipped Mixing Vessel option capable of applying up to 29 inches Hg
- Turnkey accessories and configurations for fast and installation and implementation

RAM 55 Universal Mixing Vessel System

At the heart of RAM 55 functionality and capability is its mixing vessel system. This diagram illustrates the range of RAM55 mixing vessel configurations:

- Standard Steel Vessel Holder
- Jacketed Vessel for Temperature Control
- Vacuum for In-Vessel Pressure Control
- Application specific vessel design and features also available

System Components



ResonantAcoustic® Mixing (RAM)

Product Line Features

The entire **RAM** product line enables new product development and breakthrough performance not possible with traditional mixing methods. All **RAM** products use *low*-frequency acoustic mixing coupled with up to 100g's of acceleration for intense, but low-shear mixing that:

- Dramatically reduces mixing times, often 10x faster
- Provides exceptional distribution and homogeneity
- Delivers consistent, repeatable mix results, including when scaling from laboratory to RAM 55 level production
- Offers capacities of 1.1 lbs. (**LabRAM**), 2.2 lbs. (**LabRAM II**) to 80 lbs., (**RAM 5**), to 920 lbs. (**RAM 55**)

Global Mixing & Processing Technology

Since its introduction to the marketplace in 2007, **RAM** mixers have become the technology of choice for many commercial and defense oriented mixing and processing applications. **RAM's** unique combination of features and performance has proven successful from laboratories to production facilities across the globe, many in Fortune 500 companies.

RAM 55 offers the largest ResonantAcoustic® Mixing batch size and can be complemented with continuous features.



Nominal Capacity		Dimensions and Power Requirements
Weight	Volume	
920 lb	55 gal	10.5' x 15' x 10'
417 kg	208 L	480/VAC 60 Hz/3 Phase



130 North Main Street, Suite 630
Butte, MT USA 59701
(406) 497-5533
www.resodynmixers.com
info@ResodynMixers.com
www.ResodynMixers.com



Resodyn Acoustic Mixers' product line ranges from bench scale LabRAM machines to pilot and production scale systems like RAM 5 and OmniRAM, and the large scale RAM 55. RAM products and features can also be engineered for specific purposes and environments such as energetic, hazardous, pharmaceutical and GMP.