Resodyn ACOUSTIC MIXERS

RAM 5

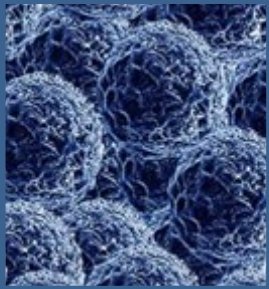**change** the way you think about mixing and processing

Ideal for Pilot and Production Scale Liquids, Gases, Solids Viscous Mixes

Solids/Powders

Liquids/Gases

Viscous/Slurry

Coating/Nano

Mill/Grind

Resodyn Acoustic Mixers' production scale mixer, the **RAM 5,** drastically increases the productivity and capabilities of our customers. **RAM 5** 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.
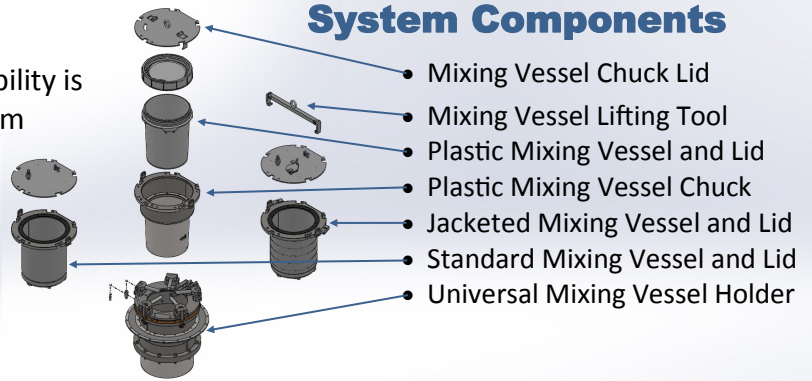
RAM 5 Features

- Up to 80 lbs. (36 kg) of mix capacity
- Application specific mixing vessels with many options
- Up to 100*g* 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 (150°C) heating to 34°F (1.1°C) cooling
- Vacuum equipped Mixing Vessel option capable of applying up to 29 inHg
- Turnkey accessories and configurations for fast and installation and implementation

RAM 5 Universal Mixing Vessel System

At the heart of **RAM 5** functionality and capability is its universal mixing vessel system. This diagram illustrates the range of **RAM5** mixing vessel configurations:

- Standard Steel Vessel Holder
- Chuck for Mixing in Plastic Vessels
- Jacketed Vessel for Temperature Control
- Vacuum Accessory for In-Vessel Pressure

System Components

- Mixing Vessel Chuck Lid
- Mixing Vessel Lifting Tool
- Plastic Mixing Vessel and Lid
- Plastic Mixing Vessel Chuck
- Jacketed Mixing Vessel and Lid
- Standard Mixing Vessel and Lid
- Universal Mixing Vessel Holder

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 100*g* 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 production level
- Offers capacities of 1.1 lbs. (0.5 kg) (*Lab*RAM**)**, 2.2 lbs. (1 kg) (*Lab*RAM II*)* to 80 lbs.. (36 kg) (**RAM 5**), to 920 lbs. (417 kg) (**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 mixing and processing applications. **RAM's** unique combination of features and performance has proven successful from laboratories to production facilities at hundreds of locations worldwide, many in Fortune 500 companies.
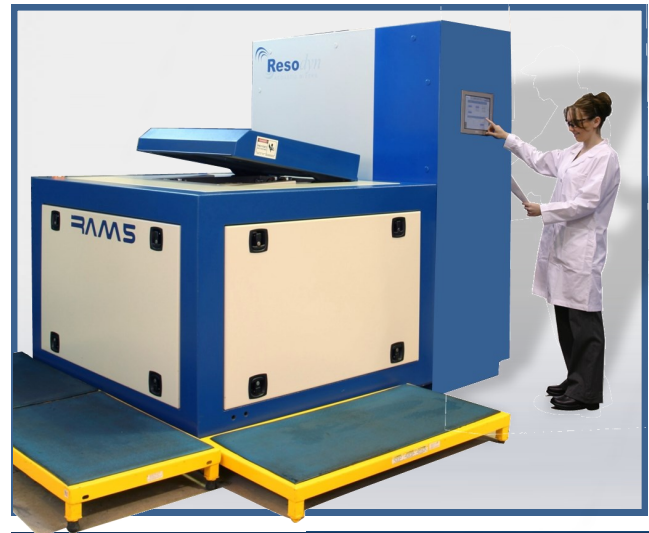
Nominal Mix Capacity		Mixer Size and Power Requirements
Weight	**Volume**	
80 lbs.	5 gal	8,000 lbs., 60" (152 cm) x 80" (203 cm) x 72" (182.9 cm)
36 kg	21 L	460 VAC, 50/60 Hz, 3 Phase

LabRAM™ II H

LabRAM™ II

RAM 5

RAM 55

Resodyn
ACOUSTIC MIXERS

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