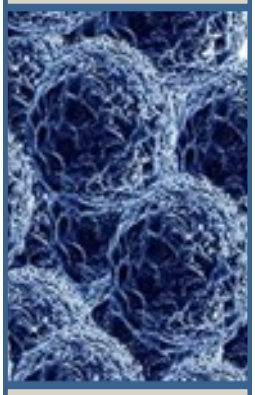
Automatic
Vacuum System

change the way you think about mixing and processing

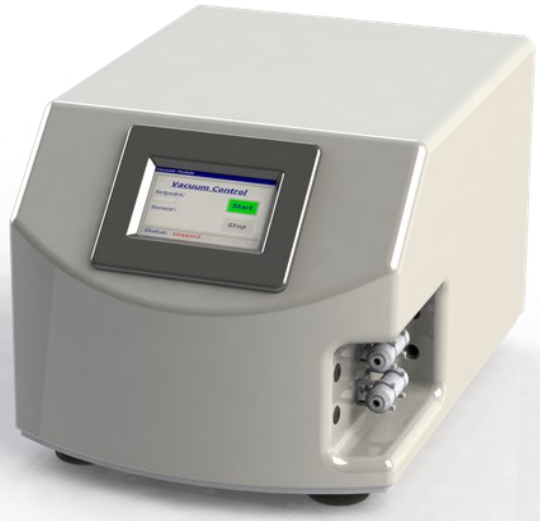

Sintered Metals


Technical Ceramics


Viscous Mixes


New Materials

Automatic Vacuum System for Resodyn *Lab*RAM™ I and *Lab*RAM™ II Acoustic Mixers



Key Features

- Consistent, repeatable vacuum
- Can improve mix quality
- Easy installation and operation
- In-line vacuum filter keeps pump clean to reduce maintenance
- Automatic digital control
- Programmable control integrated with ***Lab*RAM™ I** & **II** operating systems
- Manual vacuum control mode to allow material mixing development

Advantages:

- Virtually eliminate material mixing air entrainment
- Automated control enables hands-free operation
- Set multiple mixing and vacuum parameters as needed
- Oilless vacuum pump results in clean operations and very low maintenance

Automatic Vacuum System Technical Information	
Dimensions (WxDxH)	14” x 19” x 12” (36 cm x 49 cm x 31 cm)
Weight	35 lbs / 16 kg
Vacuum	As low as 20 Torr (27 mbar)
Voltage	110 VAC 50/60 Hz
Power Capacity	3A at 110VAC, 2A at 240VAC, 50/60Hz

Resodyn ACOUSTIC MIXERS

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Innovative Mixing Solutions

Automatic Vacuum System

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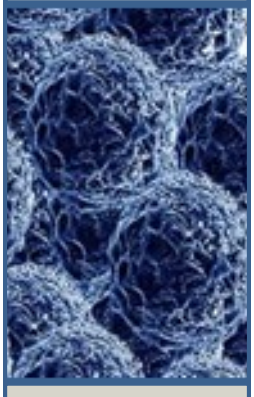

New Materials

***Lab*RAM™ II & *Lab*RAM I**

Repeatable, high-quality mixing with minimal air entrainment in

- **Liquids**
- **Powders**
- **High Viscosity Materials**

Resodyn Acoustic Mixers' Automatic Vacuum System is designed for vacuum-assisted mixing of a wide range of materials. Engineered to integrate with the ***Lab*RAM™ I** & **LabRAM™ II,** connections and fittings match effortlessly and all operations are controlled by the ***Lab*RAM** digital HMI.

Combined Innovative Technologies

Since their introduction in 2007, RAM mixers have become the processing technology of choice at many R&D, pilot, and production facilities. A primary reason is RAM's ability to consistently achieve exceptional homogeneity and uniform distribution of mixed materials. Coupled with the ***Lab*RAM™ I** or **LabRAM™ II** , the Resodyn Automatic Vacuum System can essentially eliminate air entrainment to further improve product quality.

A ***Lab*RAM™ I** or **LabRAM™ II** equipped with the Automatic Vacuum System is easy to use. Line connections require no special tools, and the vacuum cap for the mixing vessels is designed to work integrally with the Vacuum System.

After set-up, select one of up to 100 stored recipes from the ***Lab*RAM™** HMI menu. The mixer automatically controls the RAM mixing parameters of acceleration and time, as well as the selected vacuum set-point and release.

The Automatic Vacuum System can also be operated manually. In this mode, acceleration and mixing time, as well as vacuum set-point and release, are operator controlled. Manual operation is valuable in the development of programmed recipes for automatic vacuum mixing function.

Other mixers include: ***Lab*RAM™ II H Mixer, RAM 5 and RAM 55 Production Mixers**

Resodyn™
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Processing Technology of Choice for Development, Processing Around the Globe

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