

Mixing Multiple Vessels



How You
Think About
Mixing and Processing

Resodyn Acoustic Mixers' (RAM) second generation technology, **LabRAM II**, provides up to 1 kg payload capacity and advanced control features. Virtually any combination of liquids, powders, pastes, and gases can be processed faster, better, more efficiently, and more productively using the **LabRAM II** bench-top mixing systems and accessories. (www.resodynmixers.com)

Mixing Multiple Vessels with RAM

RAM machines can mix many commercially available containers as well as custom vessels, particularly at the bench scale.

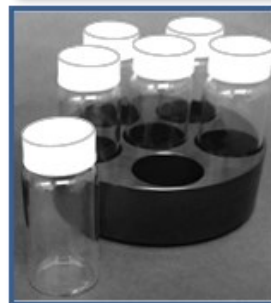
One common application allows multiple small vials to be mixed at the same time, applying identical mixing parameters to each sample.

The images on the left show two standard mixing vessel holders. The holder on the top has six 0.5" diameter cavities, with 5 ml vials, while the bottom image shows a holder with six 1" diameter cavities, with 20 ml vials. The image on the far right shows a vacuum system designed for use with a multiple vessel holder.

With no need to transfer material from a captive mixer vessel to individual vessels, cross-contamination, loss of material due to transfer, segregation, or measurement error can all be eliminated. Many standard vessels can be used in RAM bench scale mixers, and vessel holder adapters can also be produced to specific sizes and depths.



Part #100800, specify
1/2" or 1" cavity

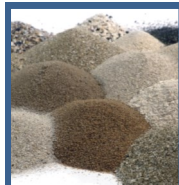


Multiple Vacuum
Configuration

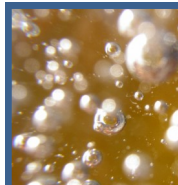
**To learn more about mixing with multiple vessels and to view a video, please visit our website:
www.resodynmixers.com*

ResonantAcoustic® Mixer Value Proposition

- Mix 10-100 times faster than traditional mixers
- Improve product quality to new levels
- Reduce or eliminate clean-up costs
- Eliminate cross-contamination
- Scale easily from development to production
- Scale up without increased processing time



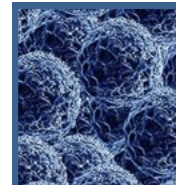
Solids/Powders



Liquids/Gases



Viscous/Slurry



Coating/Nano



Mill/Grind



130 North Main Street, Suite 630
Butte, MT USA 59701
(406) 497-5333
info@ResodynMixers.com
www.ResodynMixers.com

RAM Product Family



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ResonantAcoustic® Mixing performance is available across the **RAM** product line, enabling results and new product development not possible with traditional mixing methods. All **RAM** products use *low*-frequency acoustic mixing at up to 100 *g*'s of acceleration of intense, low-shear mixing for:

- 10x — 100x faster processing
- Highly repeatable processing results

- Exceptional ingredient distribution
- Hazardous material compatible options
- Direct scaling from laboratory to production without increases in processing time

Capacities (Batch Basis)

LabRAM™ II - 1.1 lbs. (1 kg)

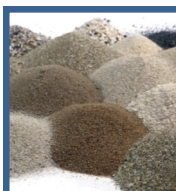
OmniRAM - 11 lbs. (5 kg)

RAM 5 - 80 lbs. (36 kg)

RAM 55 - 920 lbs. (419 kg)

Witness RAM Technology First Hand, with Your Own Materials:

Contact today to arrange a FREE RAM demonstration and mixing tests at your facility.



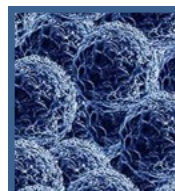
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