



Technical InterChange 2022

The Industry's 10th
World-Class Event Dedicated to
**ResonantAcoustic® Mixing
(RAM) Technology**

October 4-6, 2022
Resodyn Headquarters and
Production Facilities, Front St. Station
and related venues
Butte, Montana, USA





For 9 Installments...

... a diverse assembly of industrial mixing experts, technicians, and researchers have gathered to meet in historic Butte, Montana.

They come to take part in a world-class event dedicated to the discovery, practice, and application of ResonantAcoustic® Mixing (RAM) Technology.

Professionals from industries as diverse as energy storage, energetics, nano-materials, and pharmaceuticals discover new and exciting material mixing technology, methods and results, gaining hands-on experience with RAM machines at laboratory, pilot, and production scales, including continuous processing.

Attend this year's event in-person or virtually online for in-depth demonstrations, informative presentations and a dynamic poster session that makes this event a true InterChange of invaluable ideas and knowledge.

Three Ways to Attend



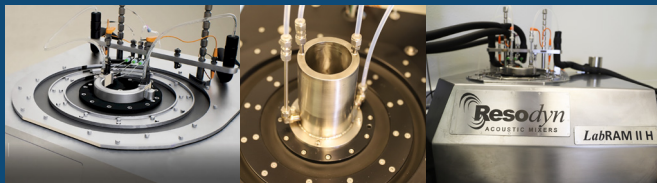
- Attend live for “hands on” experience in Butte MT
- Attend virtually in real time
- View in re-webcast in different time zones
- Recorded webcast available for 90 days
- Group registration available for a single price regardless of number from the same company or organization
- TI-22 content available via download or DVD



Butte, MT is the single most concentrated site of National Historic Registry buildings in the U.S., and is nestled in the Rocky Mountains of Southwest Montana. Explore nearby activities and attractions before or after TI-22: www.southwestmt.com



Technical
Interchange 2022



Technical InterChange Topics

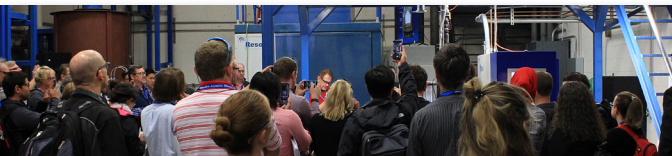
- ResonantAcoustic® Mixing (RAM) Processes
- RAM as a universal mixing platform
- RAM applications, economic results, and value proposition
- Design of experiment for process development
- Mixing of slurries and pastes
- Mixing of solids
- RAM mixing demonstrations
- RAM processing - customer application lessons learned
- Scaling of RAM from bench to production
- RAM processing methods and results
- Continuous chemical processing
- Continuous crystallization
- The power of resonance
- RAM mixer technology fundamentals
- The value of material temperature control
- RAM power-to-the-mix analysis and tools
- Influence of pressure on RAM mixing outcomes
- Understanding changing mixing conditions
- Optimizing RAM accessory versatility

New Product Initiatives for 2022 – Continuous Microreactor and Crystallization Technologies

Preview and explore the potential of the advanced RAM applications technologies driven by quality and production demands in multiple industries. Resodyn's leading edge development, scalable, ResonantAcoustic® Continuous Microreactor (RACMR) and ResonantAcoustic® Continuous Crystallizer (RACC) processing systems are leading to advanced processing methods for continuous manufacturing.

Attributes of these initiatives include:

- Suitability for the advanced development of a broad array of materials and their precursors
- 23% increase in the gas-liquid mass-transfer coefficients
- 50% decrease in mixing time, when compared to state-of-the-art microreactors
- Tunable and extremely narrow particle size distributions in crystallization applications
- 90% decrease in crystal size distribution during recrystallization
- Inherent scalability of the RAM technology seamlessly transitions from new product development to industrial-scale manufacturing



New Product and Service Introductions

- Latest developments in RAM technology
- Continuous chemical reactor
- New OmniRAM and OmniRAM H
- Continuous mixing and vacuum systems
- Process development services
- OmniRAM expanded accessories
- Global, virtual demonstrations and mixing tests



Technical Interchange 2022



Open Topics Poster Session



- Lively discovery InterChange between expert, experienced, and new users
- All attendees are encouraged to participate



Since 1994, ResonantAcoustic® Mixing (RAM) has delivered unparalleled mixing and processing performance. Many customers realize 10 times faster processing time, reduced labor costs, and significantly improved, highly repeatable, unmatched quality results not achievable from traditional mixing and processing technologies.



Call for Presentations and Posters

Presentations are invited and encouraged
Abstracts of 300 words due by July 17, 2022
(Full papers are not required.)

Areas of interest to consider:

- New product development
- New processes enabled by RAM
- Payback scenarios
- Case study data
- Raw material reductions
- Process elimination
- New revenue streams
- Capacity expansion
- Quality advances
- New discoveries
- New RAM uses
- Novel applications
- Comparing RAM with conventional mixing



RAM 5 Operations Certification*

- Comprehensive training program
- Hardware and software curriculum
- Hands-on system functions
- Operation and maintenance
- Completion certificate

***Note: Requires Saturday 10/8/22 departure**



Registration Information

Early Bird: 20 percent off until Aug. 15, 2022

First Company Attendee:	\$480
Additional Attendees:	\$400

Standard Registration (after Aug. 15, 2022)

First Company Attendee:	\$600
Additional Attendees:	\$500

Registration Fee Includes

- Welcome reception on Oct. 3
- All open sessions and materials
- Lunch and dinner on Oct. 4 & 5
- Lunch and Poster Reception on Oct. 6
- Transportation from hotels to all activities
- Historic Butte walking or trolley tours
- Auto-entry into drawing for LabRAM I rental

Virtual Event Registration

Each attendee:	\$50
----------------	------

- Access to online sessions and materials
- Auto-entry into drawing for LabRAM I rental

For each group (any number) from a single company or organization:	\$100
--	-------

Additional Information

- Unregistered guest(s) are welcome to attend dinners for a nominal charge
- Optional RAM 5 Certification on Oct. 7 (\$500 per attendee)
- Please contact Kelly Serich at Resodyn for travel and hotel information +1-406-497-5248

Resodyn Acoustic Mixers, Inc.

130 North Main Street, Suite 630
Butte, Montana, 59701 USA



+1-406-497-5333



info@resodynmixers.com