

Resodyn Acoustic Mixers Business and Product Overview

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Corporate Background



- Established 1994
 - Product developer and manufacturer of World Class products
 - Business focus is state-of-the-art, high-tech equipment development, design and manufacturing
- Recognized Technology Leader and Solution Provider of Mixing Technologies for Multiple Industries Globally



Facilities Offices and Laboratories
Butte, Montana



Fabrication, Manufacturing and Process
Development



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R&D, Design and Manufacturing



- Research & Development
- Engineering
 - Design
 - Solid modeling
 - Analysis
- Process Development Support
 - Mixing
 - Systems configuration
- Manufacturing & Service
 - Procurement
 - Fabrication
 - Quality
 - Assembly
 - Test
 - Installation
 - Operations training
 - Maintenance



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Corporate Background



Building Value through Discovery & Innovation®

Research & Development Directorate



Resodyn Corporation

- Research and Development
- Technology Incubator
- Product Launch Platform

New Product & Process Innovation, and Development Division

Business Unit Startup

Design Manufacturing and Operations Division

Launched 2005



Resodyn Acoustic Mixers

- Marketing
- Product Sales
- Technology Support
- Toll Mixing



Resodyn Acoustic Mixers

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Innovative Mixing Solutions

Vision


Develop and provide innovative and advanced resonant mixing and processing technologies that *drastically increases the productivity and capabilities of our customers*



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We shall describe what the ResonantAcoustic® Mixing technology can do and how it will

change the way that you think about processing



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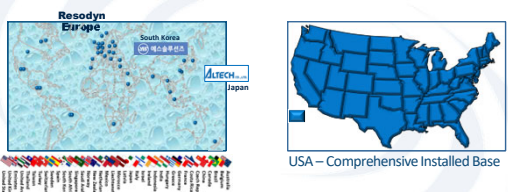
Resodyn ACUSTIC MIXERS *Innovative Mixing Solutions*

- **Strategy**
 - Solution provider
- **Tactics**
 - Learn Industrial Needs
 - Market to Opportunities
 - Sell
 - Equipment
 - Services (equipment rentals, toll mixing)
 - Process Development Service
 - Custom Technology Development Service
 - Product Support and Service
 - *Provide a Value Proposition*



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RAM Sales Globally



USA – Comprehensive Installed Base

More than 1,400 RAM Mixers Installed Worldwide in 40 Countries

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Resodyn Trading Partners in Asia

- **South Korean Trading Partner**
 - Yes Solutions 
 - Alex Yoo – CEO
 - Lucas Park – Director
 - <http://www.yes-solutions.co.kr>
- **Japanese Trading Partner**
 - Altech Co. 
 - Manabu Shiratori – Manager
 - <https://www.altech.co.jp/en>

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Resodyn Business Locations – USA & UK



Resodyn Acoustic Mixers
Butte
Montana, USA

Resodyn Europe
Aylesbury, U.K.

Sales Manager
Andrew De
Padey

Sales Engineer
Arun Mahendran

President
Lawrence...

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ACOUSTIC MIXERS

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Resodyn Acoustic Mixers Product Approach

- Continued Sales of Existing Products Internationally
- Expand Existing Product Line
 - Into “known” applications/markets
 - Develop strong International Growth with existing products
 - Identify new industries and applications
- Develop, Manufacture and Sell Product Line Extensions
 - Continuous Acoustic Chemical Reactor
 - Bench, Pilot and full-scale continuous chemical reactors
 - Continuous Acoustic Crystallizer
 - Bench, pilot and full-scale continuous crystallizers
 - Continuous Microreactor
- Client Driven Product Development and Feature Customization



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Resodyn Batch Systems Product Line

- LabRAM Original (R2-D2; retired, but will support until 2025)
- LabRAM I
- LabRAM II
- LabRAM II H
- PharmaRAM I
- PharmaRAM II
- OmniRAM
- OmniRAM H
- RAM 5
- RAM 5H
- RAM 55
- RAM 55 H



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Resodyn Continuous Systems Product Line

• Evolving Continuous RAM Systems

- OmniRAM
- OmniRAM H
- RAM5
- RAM5 H
- Chemical Reactor*
- Crystallizer*
- Microreactor*



Continuous
OmniRAM
Standard and
H Models



Continuous RAM5
Standard and
H Models

* Products Currently in Development

• Numerous Accessories Available to Enhance Processing Capabilities



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Resodyn Acoustic Mixer Capabilities/Services

- Mix Testing of Client Materials
- Toll Mixing (Limited)
- Mix Development for Various Client Materials
 - Batch - Bench → Pilot → Industrial
 - Continuous - Bench → Pilot → Industrial
- Mix-in-Case Fixture Design, Development and Manufacture
- Turnkey Continuous Mixing Systems
- Continuous Chemical Reactor and Crystallizer System Configurations and Process Development
- Custom Mix Vessel Design (batch and continuous)
- Robotic and Automated System Configurations

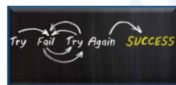


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Resodyn Attributes/Culture

- Resodyn's Demonstrated Insatiable Appetite for Advanced Technology Development and Business Growth
- Demonstrated Track Record of Embodying Innovation Drivers



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Thank you for your time
and attention.



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