Innovative Mixing Solutions

LabRAM II H

Resodyn LabRAM[™] Second Generation Mixing **Technology of Choice for Energetics Mixing**





PYROTECHNICS



PROPELLANTS



The industry standard in hazardous and energetic development and processing

- **Class | Div | Class || Div |**
- Vacuum System



Remote Operation

Resodyn Acoustic Mixers' hazardous location *Lab***RAM**[™] II H is specifically designed for mixing *Lab***RAM**[™] **II H** introduces significant benefits to

Vessel

development mixer, the energetic materials. The government and defense quality and low-cost mixing of

customers who rely on *ResonantAcoustic[®] Mixers* technology for high hazardous materials.

Mixing and Processing Technology of Choice

Since its introduction to the energetics marketplace in 2007, *ResonantAcoustic[®] Mixers* have become the processing technology of choice at many government and commercial facilities. The technology allows users to employ intense, low-frequency acoustic mixing at up to 100g's of acceleration, without the several inherent issues associated with the use of conventional mixing. The advanced design features incorporated into the LabRAM[™] II H reflect design and operational considerations provided to Resodyn by the energetics community over the past several years.

Resodyn

Integrated Component Design

The fully integrated *Lab***RAM**[™] II H system brings all electronic, power, and control hardware onboard, eliminating the need for a separate cabinet. The $LabRAM^{\text{TM}}$ II H is fully functional with or without the an optional acoustic housing (not shown). All enclosure and housing materials are 304L stainless steel.

Innovative New Features and Options

The *Lab***RAM**[™] II H responds robustly to energetic users' dynamic and demanding requirements:

- 2.2 Pounds/1,000 gram Capacity.
- Rated Class I Division I and Class II Division I.
- Jacketed Vessel provides mixing vessel temperature control from 302°F heating to 34°F cooling (optional).
- Temperature sensor 316L resistance temperature detectors (RTDs) with m12 connector (optional).
- Automatic/programmable Mix Vacuum for application at any juncture of the processing/mixing cycle (optional).
- Remote control panel.
- Remote operation up to 2.5 miles.
- Onboard programmable control of mixing operations and permanent recording of operations and measured results.
- Sealed, hazardous rated, SS 304 mixing platform prevents entry of mixing materials into the enclosure.
- Laptop based human machine interface.
- Redundant ground paths mitigate static charge build-up.



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MUNITIONS

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PROPELLANTS





Processing Technology of Choice for Energetics Developers and Manufacturers

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