



Energetics + Resodyn

***Why ResonantAcoustic® Mixing (RAM)
is ideal for Energetics Processing***

OVERVIEW

Energetics processing was stuck using the same outdated manufacturing methods for decades until a new mixing method called Resonant Acoustic Mixing changed how organizations mix energetics materials forever.

Organizations working in munitions, rocket propellants, igniters & pyrotechnics discovered the vast benefits of RAM and have used it from batch to bench to production of energetic materials of all types.

RAM's ability to mix high-energy compounds rapidly, uniformly, and without mechanical contact makes it perfectly suited to the stringent demands of energetics processing.

It's a superior form of energetics processing for these key reasons:

1. Bladeless = Safer for Sensitive Energetics Materials
2. Uniform Mixing Without Particle Damage
3. High Solids Loading Without Process Problems
4. Faster, Repeatable, Scalable Processing
5. Reduced Exposure & Safer Containment
6. Enables the Manufacture of Energetic Materials to Achieve a Higher Specific Energy
7. Very Little Cleanup, Far Less Waste

RAM vs. Conventional Mixing



An analysis compared RAM mix-in-case vs. Conventional mix-and-cast where they processed 4500 grams of energetic material:

3.5 hours vs. 8.5 hours

17.5 man hours vs. 26 man hours

41 warheads in 8 hours vs. 16 warheads in 8 hours