

## Advantage

**RMII** offers reactive materials and reactive material development services, and innovative products for propellants, ordnance, pyrotechnics and the aerospace industry

Consider RMII for your reactive metal needs which combine the high enthalpy from metal fuels with the high reaction rates of nanomaterials, while maintaining convenient and easy to use micron-scale particle sizes.

RMII produces reactive engineered materials (REM) with specific thermo-dynamic and physical properties. Our business is growing by consistently delivering high quality products ranging from REM development services through REM manufacture and supply.

All materials are manufactured at our plant in King of Prussia, PA, USA.

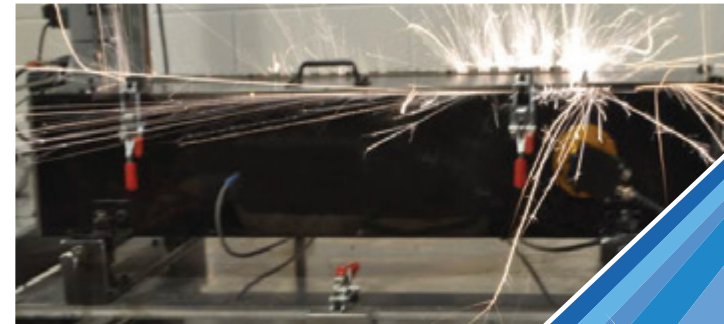
## Contact Us

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# Delivering Tomorrow's Technologies Today



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REACTIVE METALS INTERNATIONAL, INC.



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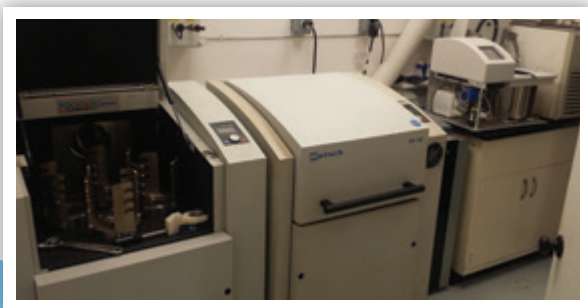
## Company History

**Reactive Metals International Inc.** was founded in October 2010 as a subsidiary of MACH I in order to grow the MACH I line of commercial reactive material products.

Reactive composites provide enhanced lethality, blast and impulse for a range of DOD applications. RMII can design materials to suit performance needs. This technology enables the manufacture of components with a predictable energy release and fragmentation behavior.

## Mission / Vision Statement

To provide high quality and reliable reactive material solutions.



## Core Competencies

### R&D and Production Services

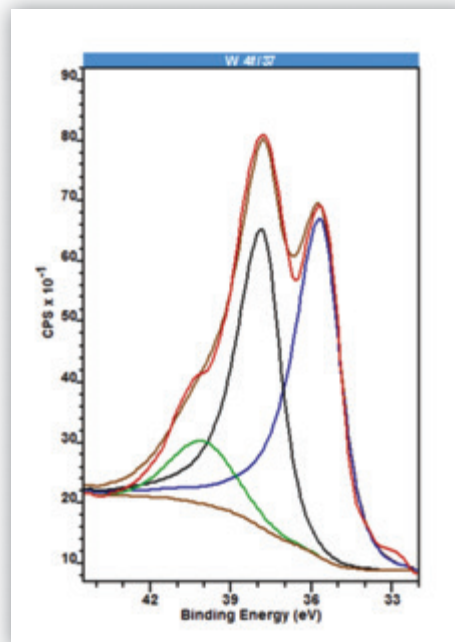
- Mechanical Alloying
- Hot Milling
- Dry Blending

### Reactive metal and self-oxidizing reactive composite systems.

- Gram to kilogram quantities available

### In house analytical capabilities include:

- Impact initiated combustion efficiency
- BET surface area
- SEM
- ESD
- DSC
- FTIR
- Pycnometer



## Market / Customers

Government • Private • International

## Contract Vehicles

**Phase I - AFRL** - Reactive Materials for Enhanced Blast - Completed Q3 2012

**Phase I - Army** - Designer Composite Reactive Materials - Completed Q3 2012

**Phase II - ONR** - Reactive Metal Composite Materials with Enhanced Ignition/Deflagration Efficiencies - Began Q2 2014

**Phase II - MDA** - Reactive Nanocomposite Materials for Enhanced Lethality Kinetic Warheads - Began Q4 2015

