

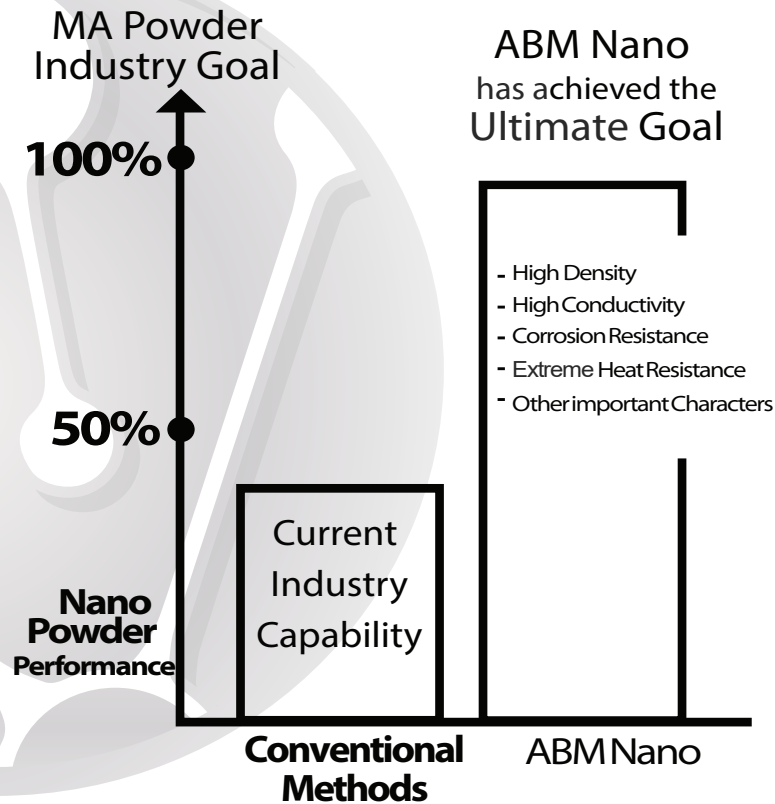
Build a Better World

Custom Composition Materials

In principle, the atoms of different elements can combine to form different materials including create new alloys and/or Nanostructures.

We are here to help you bring new materials to the world for new applications. Please feel free to contact us for your inquiry or any question. Our experienced technical team is dedicated to help you achieve your goal.

ABM Nano Powder Product	
Bi ₂ Te ₃	NbC
Bi ₂ Se ₃	TaC
Sb ₂ Te ₃	SiC
Bi ₂ Te _{2.7} Se _{0.3}	MoCu (8,15,30,40%)
Bi _{0.5} Sb _{1.5} Te ₃	MoSi ₂
Bi _{0.4} Sb _{1.6} Te ₃	WC
Cu(2-x)Se	W-Cu
TaFeSb	Fe
NiCoAlFeCuCrTi	Ni
NiCoAlFeMoCr	Fe ₃ O ₄
AlLiMgScTi	FeSi
TiC	Nd-Fe-B
ZrC	FeSiC
HfC	MoSiB
VC	Cu-Al ₂ O ₃
Custom Composition (Create New Materials)	Combine ANY 2 or more materials into Nano



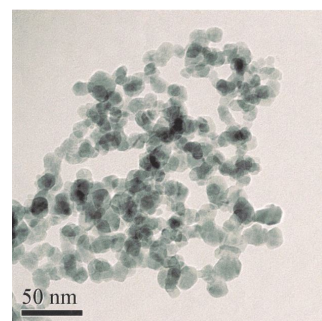
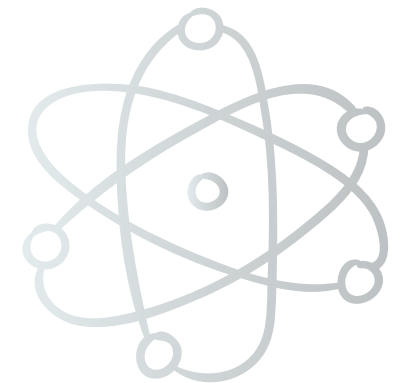
ABM Nano

Particle Size 1-100nm

High Performance Nano Powder Manufacturer

Targeting Market

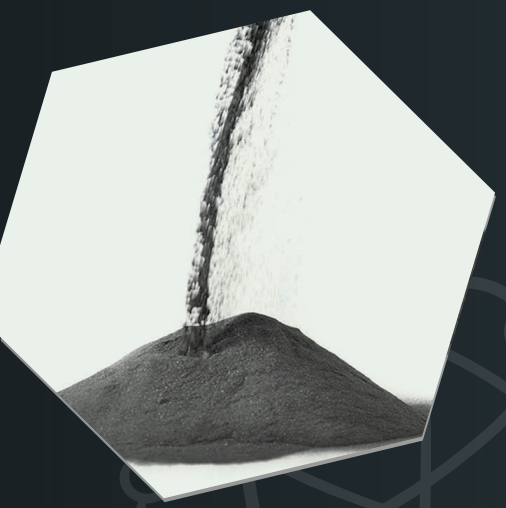
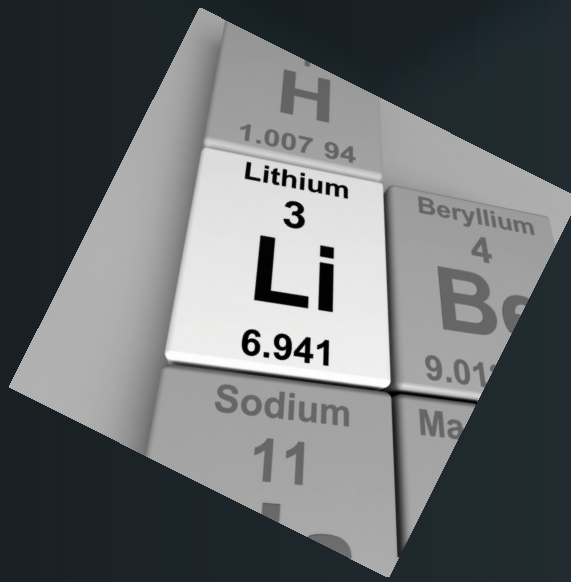
- Thermoelectric Materials Powder
- High Entropy Alloying Powder
- Magnetic Nano Materials
- Battery Materials
- Custom Composition Materials



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**Best Mechanical Alloying
 Nano Powder In the Market**



High Performance Nano Powder Manufacturer

Thermoelectric Materials (TM)

- Bi₂Te₃
- Bi₂Se₃
- Sb₂Te₃
- Bi₂Te_{2.7}Se_{0.3}
- Bi_{0.5}Sb_{1.5}Te₃
- Bi_{0.4}Sb_{1.6}Te₃
- Cu(2-x)Se 0 ≤ x ≤ 0.25
- TaFeSb

Nanostructured TM improve the performance of cooling devices and power generator which directly convert heat to electricity. ABM Nano is proud to provide the best quality Mechanical Alloying (MA) Nano-composite powder to the market for high performance required applications including custom Nano-composition powder. ABM R&D team also offers technical support.

High Entropy Materials

- NiCoAlFeCuCrTi
- NiCoAlFeMoCr
- AlLiMgScTi

Battery Materials

Lithium-ion Battery Nano Powder

- Lithium manganese oxide (LMO)
- Lithium titanium oxide (LTO)
- Lithium nickel cobalt aluminum oxide (NCA)

Cathode, Anode and Solid Electrolyte Powder

Particle Size <50nm

ABM patented nanotechnology specializes in custom-made materials for various applications in large volume production

ABM Nano developed unique Mechanical Alloying processing system which capable of efficiently producing MA Nanostructure Powder with high quality. Many useful combinations of materials cannot be achieved by melting, chemical process or by conventional powder metallurgy. ABM Nano technology introduced a revolutionary MA method to process various Nano-composite powder, the quality of performance were previously not possible. From laboratory test to large volume production.

Powder Metallurgy(P/M) Materials

- MoCu (8, 15, 30, 40%)
- MoSi₂
- WC
- W-Cu
- SiC

Magnetic Materials

- Fe
- Ni
- Fe₃O₄
- FeSi
- Nd-Fe-B
- FeSiC

Other Nano Materials

- Ti₃SiC₂
- MoSiB
- ZrO₂
- Al-SiC
- Al-C
- Cu-Al₂O₃

