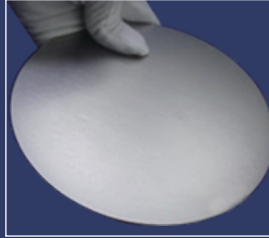


## Sputtering Targets

Technical  
Materials  
Chemicals

Grade  
High-Purity



A full-spectrum sputtering targets company established in 1994, Stanford Advanced Materials is one of the top retailers of sputtering targets and a leading supplier of various sputtering targets such as metals, alloys, oxides and, ceramic materials.

To meet increasing demands for rare-earth products and other materials, sputtering materials are provided to serve not only R&D customers but also manufacturers in the ceramic, metallurgy and electronic industries.

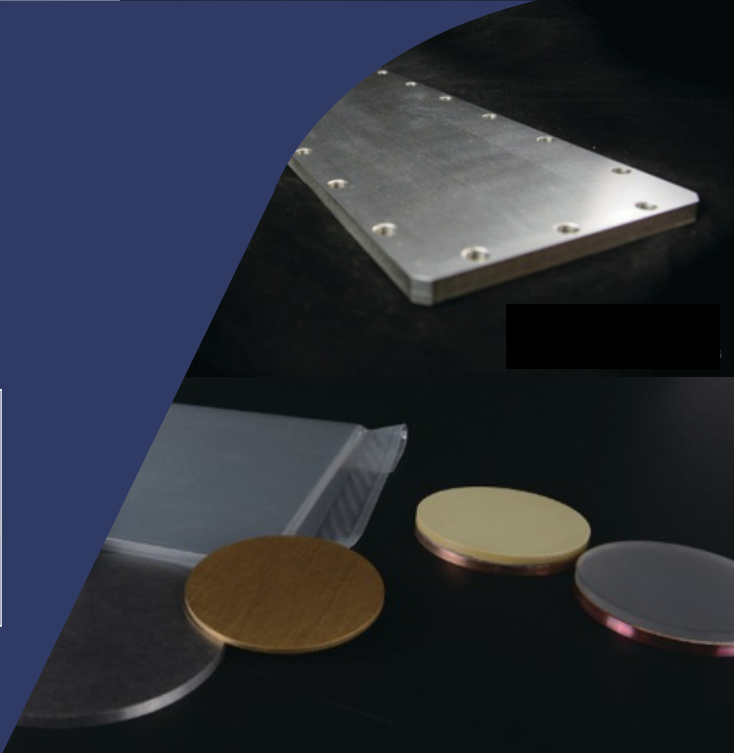
## Production Methods

- Vacuum Melting
- Powder Metallurgy
- Vacuum Sintering
- Hot Press

## Benefits

- Maximum purity
- Maximum density
- Homogeneous microstructure
- Customizable
- Competitive price

Materials	Element	Typical Purity
Rare Earth	Sc, Y, La, Nd, Gd, Ho, Dy	99.9%~99.999%
Pure Elements	B, Te, Si, V, Re, Mo, Ge, Ga	99.9%~99.999%
Alloy	Cr, Mo, Fe, Ti, W	99%~99.999%
Oxide Ceramic	Alumina, Hafnia, Zirconia	99%~99.99%
Other Ceramic	Telluride, Sulfide, Nitride, Boride	99%~99.999%



# Evaporation Materials



Materials	Products	Specifications
Pure Metal	W, Mo, Ta, Nb, Zr, Hf, Cr, Ti	Pellets / Tablets / Rods / Granules / Wires / Powder
Alloy Metal	Al/Cr, Co/Al, Cu/Cr, Fe/Cr ,	
Oxide Ceramic	CeO <sub>2</sub> , Eu <sub>2</sub> O <sub>3</sub> , Gd <sub>2</sub> O <sub>3</sub> , HfO <sub>2</sub> , Ho <sub>2</sub> O <sub>3</sub>	
Carbide Ceramic	HfC, TaC, TiC, WC, VC, ZrC,	
Fluoride Ceramic	BaF <sub>2</sub> , CaF <sub>2</sub> , CeF <sub>3</sub> , CrF <sub>3</sub> , GdF <sub>3</sub>	
Silicide Ceramic	MoSi <sub>2</sub> , TaSi <sub>2</sub> , TiSi <sub>2</sub>	
Sulfide Ceramic	Sb <sub>2</sub> S <sub>3</sub> , Bi <sub>2</sub> S <sub>3</sub> , CdS, GeS, In <sub>2</sub> S <sub>3</sub>	
Boride Ceramic	CeB <sub>6</sub> , CrB <sub>2</sub> , HfB <sub>2</sub> , LaB <sub>6</sub>	
Selenide Ceramic	GeSe <sub>2</sub> , In <sub>2</sub> Se <sub>3</sub> , PbSe, MoSe <sub>2</sub>	
Telluride Ceramic	Sb <sub>2</sub> Te <sub>3</sub> , Bi <sub>2</sub> Te <sub>3</sub> , CdTe, In <sub>2</sub> Te <sub>3</sub> , PbTe	



Stanford Advanced Materials  
 23661 Birtcher Dr.  
 Lake Forest, California 92630  
 Tel: (949) 407-8904  
 Fax: (949) 812-6690  
 E-mail: [target@SAMaterials.com](mailto:target@SAMaterials.com)  
 Website: <http://www.sputtertargets.net>