

Edgetech Industries LLC

-A Worldwide Material Supplier





Company profile

Edgetech Industries LLC has been specialized in providing Rare Earth Elements, Non-ferrous Metals, Deposition Materials, Semiconductor Material and other functional Materials for years. We strive to deliver the highest-quality materials, adhere to the most rigorous quality control system.

At EdgeTech Industries (ETI), our motto is "Let us be your partner, you will get more than great materials". We trust you will find ETI one of your favorite suppliers.

Product category

Non-ferrous Metals

Deposition Materials

Functional Materials

Rare Earth Elements

Semiconductor Materials

Products

Deposition Materials

ETI is a global supplier of various sputtering targets & evaporation materials such as metals, alloys, oxide ceramic, and other ceramic materials.

By usage	Sputtering targets	Evaporation Materials
By materials	Specific product	Typical purity
Rare Earth	Sc, Y, Nd, Gd, Dy, Ho, Yb, Lu, Distilled Metal...	99.9%~99.999%
Pure Metal	Si, Au, Mo, Cu, Cr, Ti, B, Co, Zn, Ni, Sn, Al...	99.9%~99.999%
Alloys	W/Ti, NiCr, NiFe, CoFeB, CIS, CIGS, AlSc...	99.9%~99.99%
Oxide Ceramic	ITO, AZO, SnO ₂ , SiO ₂ , TiO ₂ , Al ₂ O ₃ , V ₂ O ₅ ...	99%~99.99%
Other Ceramic	Sulfide, Telluride, Nitride, Carbide, Boride...	99%~99.99%
By shape	Round plate, rectangular plate, tubing, pellets, tailor-made	
By Markets	Electronics/Semiconductor, Magnetic Data Storage, Display, Wear Resistance, Glass, Photovoltaic, Solar Thermal, etc.	

Refractory Metals

We supply non-ferrous metals and its alloys by shaped parts and complex machined parts. Other metals such as Beryllium-Be, Magnesium-Mg, Chromium-Cr, Cobalt-Co, Nickel-Ni, Indium-In, Hafnium-Hf, Rhenium-Re are also available.

Elements	Materials	Product
Titanium	C.P. Ti, Gr5, Gr7, GR9, Gr11, etc. ASTM/ AMS Specified	Foil, Sheet, Plate, Strip, Ribbon. Min T: 0.01mm Wire, Rod, Bar, Block. Min dia.: 0.2mm Mesh, Fasteners, Fittings, Flange, Custom parts
Nitinol	ASTM F2063, Af=-30 to 110°C	One way & two way shape memory alloy. Wire, Sheet, Strip, Tubing, Spring, Medical parts...
Tungsten	Pure W, WNiCu Alloy, WNiFe, CuW, AgW, CuWC, AgWC, WC-Co	Sheet, Plate, Bar, Tube, Crucible, Furnace parts. Bucking bar, Shielding parts, Counter weights... Electronic contacts, heat sink, electrodes.
Molybdenum	Pure Moly, TZM, Mo-La. ASTM B387/386	Wire, Foil, Sheet, Plate, Tubing, Crucible, Heater, Heat shields, Furnace parts, Fasteners, Electrodes, Ion Implantation parts...
Tantalum	Ta & Ta Alloy, R05200, R05400, R05255, R05252, R05240	Plate, Sheet, Foil, Rod, Bar, Wire, Tube, Capillary, Crucible, Marker bands, Tailor-made.
Niobium	Nb and Nb Alloy R04200, R04210	Plate, Sheet, Foil, Rod, Bar, Wire, Tube, Capillary, Crucible, Tailor-made.
Zirconium	R60702, 99.95% pure Crystal Zr. YSZ	Plate, Foil, Rod, Wire, Tube, Custom

Rare earth elements

ETI provides rare earth in pure REE Metals, Alloys, Oxides, Chloride, Fluoride, Nitrate, Carbonates, Oxalate and other compounds.

Elements	Products	Purity
Scandium	Sc Dendrites & Granules, Al-Sc Alloy, Sc ₂ O ₃ , ScF ₃ , ScCl x H ₂ O, etc.	Metal: 3N, Compound: 4N~5N
Yttrium	Y metal, Distilled Y, Y ₂ O ₃ , YF ₃ , YH ₂ , etc.	Metal: 3N, Compound: 3N~6N
Terbium	Tb Granule, Tb ₄ O ₇ , Chloride, Carbonate, etc.	Metal: 3N~4N, Compound: 3N~4N
Dysprosium	Dy Metal, Foil, Rod, Sheet, Dy ₂ O ₃ , etc.	Metal: 3N~4N, Compound: 3N~5N
Holmium	Ho Metal, Foil, Rod, Ho ₂ O ₃ , HoF ₃ , etc.	Metal: 3N~4N, Compound: 3N~5N
Erbium	Er Metal, Foil, Rod, Wire, Er ₂ O ₃ , ErF ₃ , etc.	Metal: 3N~4N, Compound: 4N~5N
Thulium	Tm Metal, Tm ₂ O ₃ , TmF ₃ , Chloride, Carbonate, etc.	Metal: 3N~4N, Compound: 3N~5N
Ytterbium	Yb Metal, Yb ₂ O ₃ , YbF ₃ , Chloride, Carbonate, etc.	Metal: 3N~4N, Compound: 3N~4N8
Lutetium	Lu Metal, Lu ₂ O ₃ , LuF ₃ , Chloride, Carbonate, Nitrate, etc.	Metal: 3N~4N, Compound: 3N~5N
Gadolinium	Gd Metal, Gd ₂ O ₃ , Rod, Wire, Sheet, Foil, Sulfate, etc.	Metal: 3N, Compound: 3N~5N
Europium	Eu Metal, Eu ₂ O ₃ , Acetate, Carbonate, Chloride, Fluoride, Nitrate, Sulfate, etc.	Metal: 3N~4N, Compound: 3N~4N
Samarium	Sm Metal, SmCo Alloy, Sm ₂ O ₃ , Chloride, Fluoride, etc.	Metal: 2N~3N, Compound: 2N~4N
Praseodymium	Pr Metal, Pr ₂ O ₃ , Chloride, Fluoride, etc.	Metal: 2N~3N, Compound: 2N~4N
Cerium	Ce Metal, CeO ₂ , Chloride, Fluoride, etc.	Metal: 2N~3N, Compound: 2N~4N
Lanthanum	La Metal, La ₂ O ₃ , Chloride, Fluoride, etc.	Metal: 2N~3N, Compound: 2N~4N
Neodymium	Nd Metal, Nd ₂ O ₃ , Chloride, Fluoride, etc.	Metal: 2N~3N, Compound: 2N~4N5

Semiconductor Elements

Edgetech Industries has been in electronic/semiconductor for years, we mostly provide semiconductor elements' raw materials, metal parts and the sputtering targets that are used in semiconductor Industry.

Elements	Product	Purity
Silicon	Silicon powder, Silicon lump, Silicon Nanopowder, Si sputtering targets, etc.	Si: 99.9~99.999%
Germanium	Ge Metal, Rod, Pellets, Sheet, Custom Ge powder, GeO ₂	Ge: 99.999%~99.99999%
Tin	Sn Metal, Ingot, Foil, Sheet, Strip, Sn Nano powder, Tin metal powder SnO, ITO, Sn/Zn, Zn/Sn	Sn: 99.9%~99.999%
Antimony	Sb Metal, Ingot, Lump, Particle Custom Sb powder: -200 mesh, -325 mesh Sb ₂ O ₃ , InSb, Sb ₂ O ₃ , ATO	Sb: 99.9999%~99.9999%
Bismuth	Bi Metal, ingot, powder, lump, etc. Bi powder, Bi ₂ O ₃ , Bi ₂ Se ₃ , etc.	Bi: 99.99%~99.9999%
Tellurium	Te ingot, powder, lump, particle, etc. Te powder, TeO ₂ , TeCl ₄ , CdTe, PbTe	Te: 99.9%~99.99999%
Selenium	Selenium metal, lumps, particle, block, Se powder, CdSe, Cu ₂ Se, SeO ₂ solid	Se: 99.999%~99.99999%
Cadmium	Cadmium Metal; Cadmium Compounds; Cadmium Evaporation Materials.	99.99%~99.99999%

Functional Material

We provide Spray Materials, Phosphors, Polishing Powder, Grinding Media, Advanced Ceramics and other functional materials.

Thermal spray materials: Pure Metals (powder, wire), Alloys, Composites (powder, wire), Carbides (Mainly in powder), Ceramics (Mainly in powder)

Phosphors: Long Persistence Phosphors (SrAlO_4 : Eu, Dy), Phosphors for Trichromatic Lamps, Phosphors for Color TV Screen

Polishing powder: CeO_2 Fine polishing powder, coarse polishing powder

Grinding Media: Yttria Stabilized Zirconia (YSZ) Ceramic Cylinders & balls

Ceramics: Lanthanum hexaboride, Silicon Nitride, Silicon Carbide, Boron Carbide, Boron Nitride, Pyrolytic Graphite (PG), pyrolytic Boron nitride (PBN), Alumina, Aluminum Nitride, etc.

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