



TOPTITECH

TOPTITECH specializes in manufacturing industrial metal sintering products. We offer a wide range of porous materials for various industries such as oil and gas, water treatment, chemical processing, food and beverage, new clean energy, and more.

TOPTITECH's products include a variety of filter elements, filter cartridges, tubes, discs, plates, titanium anode, and titanium electrolyzer, all designed to meet specific needs and requirements. We also provide customization and technical support services to help customers find the right solutions for their applications.

TOPTITECH

Karry

Tel and Whatsapp: +86 19992203758

karrykang@bjygti.com

TopTiTech



Item Name	PTL (Porous Transfer Layer)
Material	Titanium
Grade	American: GR1, GR2, GR3, GR5, GR7, GR12 Chinese: TA0, TA1, TA2, TA3, TA5, TA6, TA7, TA9, TA10, TB2, TC1, TC2, TC3, TC4
Standard	GB/T3621-2007, GB/T13810-2007 ASTM B265, ASTM F136, ASTM F67, and AMS4928
Specification	Thickness: 0.8mm-50.8mm Wideness: Max. 1500mm Length: Max. 6000mm
Technique	Hot forging, Hot rolling, Cold rolling, Annealing, Pickling
Surface	Smooth, clean and metallic
Application	Metallurgy, electronics, medical, chemical, petroleum, medicine, aerospace, and other industries
Product Link	https://www.toptitech.com/non-ferrous-metal-products/titanium-materials/titanium-plate-1.html

TopTiTech



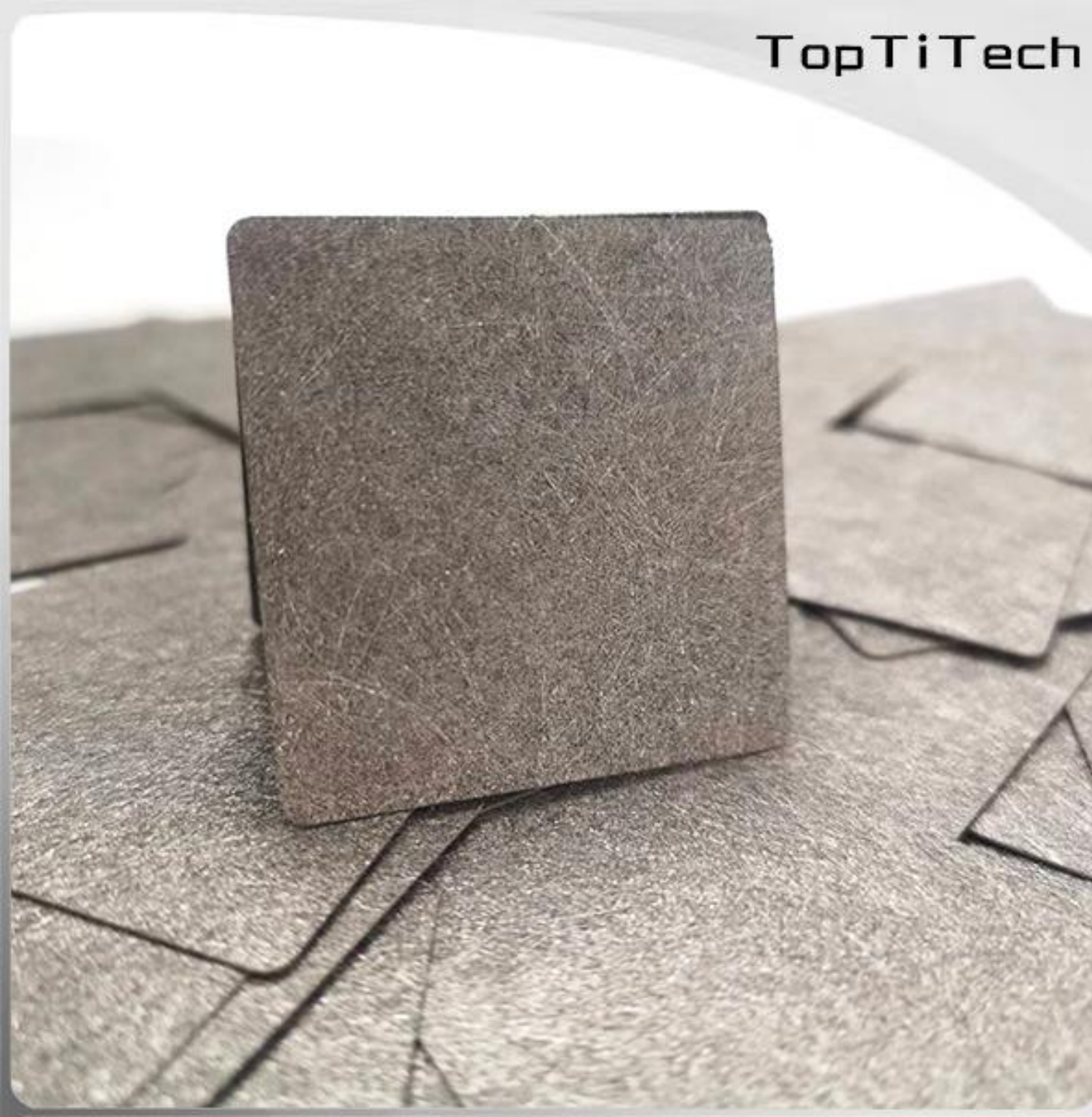
Item Name	Porous sintered titanium filter plate(disc)
Material	Titanium powder
Grade	GR1
Standard	GB/T6886-2008, GB/T6887-2007, ISO9001
Specification	Filtration precision:0.2um—100um Porosity:30-40% Operating temperature: $\leq 300^{\circ}\text{C}$ Size:round, square, special-shaped Dia:5-300mm, Length:30-1000mm, Thickness: $\geq 1\text{mm}$
Technique	Powder sintering
Surface	Smooth, no scratches, silver gray
Application	<ol style="list-style-type: none">1. Liquid-solid, gas-solid separation;2. Petrochemical filtration process;3. Fine chemical filtration process;4. Food industry fine filtration;5. Environmental protection and sampling;6. Power plant filtration;7. Fine filtration in the electronics industry;8. Fine filtration in textile industry.
Product Link	https://www.toptitech.com/microporous-filter-components/porous-titanium-plate-with-high-filtration.html



Item Name	Nickel Fiber Felt (GDL)
Material	Nickel Fiber (Pure nickel)
Manufacturing flow	Nickel wire→Cluster drawing→Nickel fiber→Fiber shear→Air-laid→Sintering→Nickel fiber felt
Standard	GB/T6886-2008, GB/T6887-2007, ISO9001
Specification	Porosity : 50-90% (It can be customized upon request) Thickness : 0.2mm-2mm regular thickness (0.25, 0.4, 0.6, 0.8, 1.0mm) Size : Customized upon request
Technique	Sintering
Color	Light grey
Application	<ol style="list-style-type: none"> 1. Filter material; 2. Photocatalyst series air filter screen; 3. Chemical catalyst and support materials; 4. Battery electrode material; 5. Heat exchange and adsorption materials;
Product Link	https://www.toptitech.com/non-ferrous-metal-products/other-metal-materials-and-productions/the-sintered-nickel-felt-in-gdl-in-pem.html



Item Name	Sintered porous stainless steel filter sheet
Material	304, 316, 304L, 316L powder
Grade	304316
Standard	GB/T6886-2008, GB/T6887-2007, ISO9001
Specification	<p>Filtration precision: 0.2um—100um Porosity: 30-40% Operating temperature: $\leq 600^{\circ}\text{C}$ Size: round, square, special-shaped Dia: 5-300mm, Length: 30-1000mm, Thickness: $\geq 1\text{mm}$</p>
Technique	Powder sintering
Surface	Smooth, no scratches, silver gray
Application	<ol style="list-style-type: none"> 1. Liquid Filtration 2. Fluidizing 3. Sparging 4. Diffusion 5. Flame Arrestor 6. Gas Filtration
Product Link	https://www.toptitech.com/microporous-filter-components/the-powder-porous-stainless-steel-filter-disc.html



Item Name	Titanium felt
Material	GR1 titanium fiber
Standard	GB/T6886-2008, GB/T6887-2007, ISO9001
Specification	Porosity:60%-80% Thickness:0.2mm, 0.4mm, 0.8mm, 1.0mm, etc Shape:polygon, round, ring, disc, etc.
Technique	Sintering
Application	<ol style="list-style-type: none"> 1. For Liquid/ Gas diffusion layer (LGDL) 2. Hydrogen absorber and Hydrogen-rich water dispenser 3. Diffusion layer of hydrogen fuel cell stack 4. Hydrogen production by PEM water electrolysis
Product Link	https://www.toptitech.com/microporous-filter-components/platinized-titanium-felt.html



Item Name	Sintered porous copper filter sheet
Material	Bronze, Brass
Standard	GB/T6886-2008, GB/T6887-2007, ISO9001
Specification	Porosity:30%-40% Thickness:0.5mm, 1.0mm, 1.5mm, 2.0mm, etc Shape: polygon, round, ring, disc, etc.
Technique	Sintering
Features	<ol style="list-style-type: none"> 1. Sintered copper powder filter element has stable penetration and high filtration accuracy; 2. Can better withstand thermal pressure and impact; 3. High strength, good plasticity, anti-oxidation, corrosion resistance, good assembly; 4. Strong regeneration ability and long service life; 5. Sintered copper powder filter element is resistant to rapid cooling and rapid heat, and has better performance than filters made of paper, copper wire mesh and other fiber cloth, and is easy to assemble, disassemble and clean; 6. It can work at higher temperature and in corrosive medium, and can be welded, bonded and machined.
Product Link	https://www.toptitech.com/microporous-filter-components/sintered-copper-powder-filter-element-from.html



Item Name	Sintered Titanium Powder Porous Filter Tube
Material	titanium powder
Grade	GR1, 2, 3, 4, 5(6Al-4V), 7(Ti-0.15Pd), 9(3Al-2.5V)
Standard	ASTM B337, ASTM SB338, ASTM B861, etc.
Specification	<p>Length: 20 - 1000mm Diameter: ϕ0.5 - ϕ200mm Wall Thickness: 1 - 20mm Filtration Accuracy: 0.22 - 100um Porosity: 35% - 60% All specifications can be customized.</p>
Technique	Sintered
Surface	Polishing or Pickling
Application	<ol style="list-style-type: none"> 1). Pharmaceutical industry; 2). Chemical industry; 3). Metallurgical industry; 4). Water treatment industry; 5). Food industry; 6). Oil refining industry etc.
Product Link	https://www.toptitech.com/microporous-filter-components/titanium-powder-sintered-filter-tube.html



Item Name	Sintered Titanium Porous Filter Tubing with one end closed
Material	<p>tube: titanium powder interace: pure titanium</p>
Grade	<p>GR1, 2, 3, 4, 5(6Al-4V), 7(Ti-0.15Pd), 9(3Al-2.5V)</p>
Standard	<p>ASTM B337, ASTM SB338, ASTM B861, etc.</p>
Specification	<p>Length: 10–1500mm Diameter: ϕ20–ϕ200mm Wall Thickness: 1–20mm Filtration Accuracy: 0.22–100um Porosity: 35% –60% All specifications can be customized.</p>
Technique	<p>Sintered</p>
Surface	<p>Polishing or Pickling</p>
Application	<ol style="list-style-type: none"> 1). Pharmaceutical industry; 2). Chemical industry; 3). Metallurgical industry; 4). Water treatment industry; 5). Food industry; 6). Oil refining industry;
Product Link	<p>https://www.toptitech.com/microporous-filter-components/titanium-filter-element.html</p>



Item Name	Sintered Stainless Steel Powder Filter Tube
Material	stainless steel powder
Grade	SUS304, SUS316L
Standard	ASTM A240, ASTM A276, ASTM A312, ISO 15510:2010, etc.
Specification	Length: 50 - 1000mm Diameter: $\phi 4 - \phi 500$ mm Wall Thickness: 1 - 5mm Filtration Accuracy: 0.22 - 100um Porosity: 35% - 60% All specifications can be customized.
Technique	Sintered
Surface	Polishing or Pickling
Application	1). Pharmaceutical industry; 2). Chemical industry; 3). Metallurgical industry; 4). Water treatment industry; 5). Food industry; 6). Oil refining industry;
Product Link	https://www.toptitech.com/microporous-filter-components/the-stainless-steel-powder-sintered-porous.html



Item Name	Sintered Stainless Steel Powder Filter Tubing with one end closed
Material	tube: stainless steel powder interface: stainless steel
Grade	SUS304, SUS316L
Standard	ASTM A240, ASTM A276, ASTM A312, ISO 15510:2010, etc.
Specification	Length: 10 - 1000mm Diameter: $\phi 20 - \phi 200$ mm Wall Thickness: 1 - 20mm Filtration Accuracy: 0.22 - 100um Porosity: 35% - 60% All specifications can be customized.
Technique	Sintered
Surface	Polishing or Pickling
Application	<ol style="list-style-type: none"> 1). Pharmaceutical industry; 2). Chemical industry; 3). Metallurgical industry; 4). Water treatment industry; 5). Food industry; 6). Oil refining industry, etc.
Product Link	https://www.toptitech.com/microporous-filter-components/the-sintered-stainless-steel-powder-filter.html

TopTiTech



Item Name	Stainless Steel Folded Filter
Material	Stainless Steel
Grade	SS316、SS304、SS316L、SS304L
Interface form	222、226、215、M36、M28、M24、M22、M20 threaded interface
Specification	Length: 10 - 2000mm Diameter: $\phi 10 - \phi 100\text{mm}$ Filtration Accuracy: 1 - 200um All specifications can be customized.
Technique	Sintered and Welding
Surface	Folding
Application	1). Pharmaceutical industry; 2). Chemical industry; 3). Metallurgical industry; 4). Water treatment industry; 5). Food industry; 6). Oil refining industry, etc.
Product Link	https://www.toptitech.com/non-ferrous-metal-products/other-metal-materials-and-productions/the-stainless-steel-folded-filter-element.html

TopTiTech



Item Name	Sintered Stainless Steel Wire Mesh Filter Tube
Material	stainless steel
Grade	SUS304, SUS316L
Standard	ASTM A240, ASTM A276, ASTM A312, ISO 15510:2010, etc.
Specification	Length: 10 - 1200mm Diameter: ϕ 10 - ϕ 80mm Wall Thickness: 10 - 50mm Filtration Accuracy: 1 - 200um Porosity: 35% - 60% All specifications can be customized.
Technique	Sintered and Welding
Surface	Polishing or Pickling
Application	1). Pharmaceutical industry; 2). Chemical industry; 3). Metallurgical industry; 4). Water treatment industry; 5). Food industry; 6). Oil refining industry, etc.
Product Link	https://www.toptitech.com/non-ferrous-metal-products/other-metal-materials-and-productions/the-stainless-steel-sintered-wire-mesh-filter.html

TopTiTech



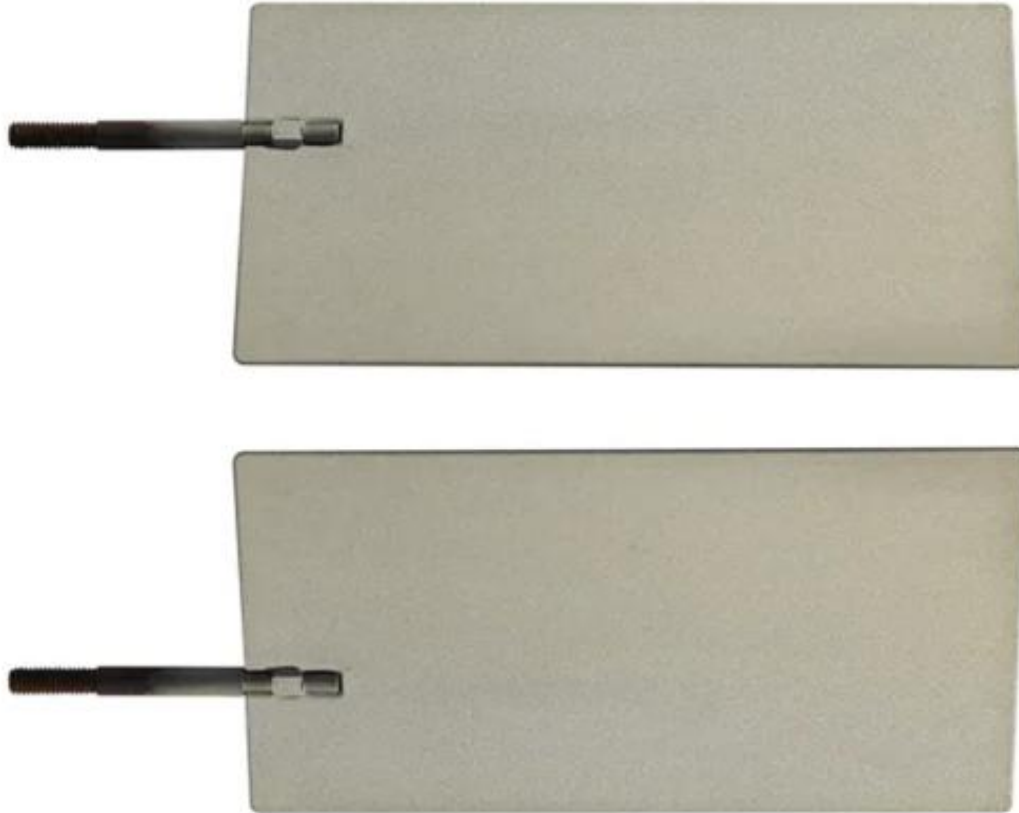
Item Name	Titanium Aeration Head
Material	head: titanium powder interace: pure titanium
Grade	GR1, 2, 3, 4, 5(6Al-4V), 7(Ti-0.15Pd), 9(3Al-2.5V)
Standard	ASTM B337, ASTM SB338, ASTM B861, etc.
Specification	<ul style="list-style-type: none"> • Spherical Aerator Head Bottom diameter: 150 - 200mm Thickness: 3 - 10mm Hight: 20 - 50mm • Flat Aerator Head Diameter: 100 - 300mm Thickness: 2 - 5mm • Tube Aerator Head Diameter: 14 - 80mm Length: 10 - 1000mm Thickness: 1 - 5mm Filtration Accuracy: 0.22-100um Porosity: 30% - 40% All specifications can be customized.
Technique	Sintered
Surface	Polishing or Pickling
Application	1). Pharmaceutical industry; 2). Chemical industry; 3). Metallurgical industry; 4). Water treatment industry; 5). Food industry; 6). Oil refining industry, etc.
Product Link	https://www.toptitech.com/microporous-filter-components/sintering-titanium/titanium-aeration-head.html



Item Name	Ru-Ir coated titanium anode
Material	pure titanium porous plate
Grade	Gr1,Gr2
Shape	disc,square plate
Specification	customized
Technique	Brush coating
Coating	Ruthenium-Iridium
Coating Thickness	0.2-12 μ m
Application	<ol style="list-style-type: none">1). swimming pool water disinfection;2). cooling water;3). electro dialysis;4). wastewater treatment etc.
Product Link	https://www.toptitech.com/non-ferrous-metal-products/titanium-materials/gr1-titanium-anode.html



Item Name	Ir-Ta coated titanium anode
Material	pure titanium porous plate
Grade	Gr1, Gr2
Shape	disc, square plate
Specification	customized
Technique	Brush coating
Coating	Iridium-Tantalum
Coating Thickness	0.2-12 μ m
Application	<ol style="list-style-type: none"> 1). Cathodic protection; 2). Electroplating; 3). Electrowinning; 4). HHO Generator etc.
Product Link	https://www.toptitech.com/non-ferrous-metal-products/titanium-processing-parts/titanium-anode-for-hydrogen-production.html



Item Name	Platinum coated titanium anode
Material	pure titanium porous plate
Grade	Gr1,Gr2
Shape	disc,square plate
Specification	customized
Technique	Brush coating
Coating	Platinum
Coating Thickness	0.5-2.5 μ m
Application	<ol style="list-style-type: none">1). Water ionizer;2). Electroplating;3). Seawater desalination plants;4). HHO Generator etc.
Product Link	https://www.toptitech.com/non-ferrous-metal-products/titanium-materials/platinum-coating-titanium-anode-from.html



Item Name	Pure Titanium Strip, Foil, Coil
Material	Pure Titanium
Grade	Gr 1, 2, 3, 4, 5(6Al-4V), 7(Ti-0.15Pd), 9(3Al-2.5V), 12, 23(6Al-4V ELI), 15V-3Al-3Sn-3Cr
Standard	ASTM B265, ASTM SB265, AMS 4902, ASME SB265, DIN 17860
Specification	Thickness: 0.3 - 300 mm Width: 400 - 2800 mm
Technique	Hot Rolled or Cold Rolled
Surface	Bright or Pickling
Application	<ol style="list-style-type: none"> 1). Chemical industry; 2). Petrochemical industry; 3). Machining field, Automobile field, etc; 4). Desalination of seawater; 5). Textile printing and dyeing; 6). Mobile phone component field etc.
Product Link	https://www.toptitech.com/non-ferrous-metal-products/titanium-materials/pure-titanium-strip.html

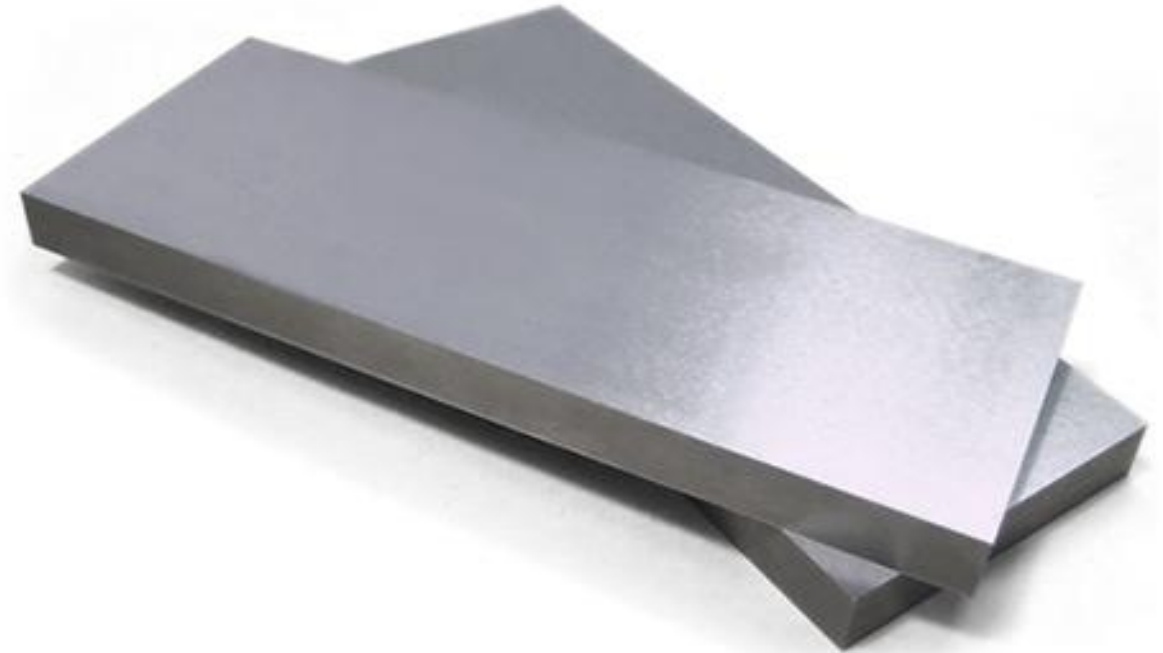
Titanium rods

TopTiTech



Titanium plate

TopTiTech



Titanium wire

TopTiTech



Titanium tube

TopTiTech



Titanium target

TopTiTech



Titanium foil

TopTiTech



Titanium elbow

TopTiTech



Titanium flange

TopTiTech



Titanium mold insert / Breathable titanium

TopTiTech



Titanium parts

TopTiTech



Titanium Bolts, screws, Nuts

TopTiTech



Washers and Fasteners

TopTiTech

