

ABOUT US

Based on the two manufactures, Baoji Tian Gang Titanium Co.,Ltd (founded in 1998) and Baoji Tai Yuan Non-ferrous Metal Co.,Ltd (founded in 2008), Baoji Reacto Titanium Co.,Ltd was established to export titanium and other non-ferrous metal products world wide.

Baoji Tian Gang Titanium Co.,Ltd is specialized in the production of titanium bars, include round bars, square bars, flat bars and hexagonal bars. Since 1998, we have possessed a rolling machine. In the following years, we purchased straightener, grinder, peeling machine and sand-blasting machine. Now we have grown into an enterprise who have the ability to meet any needs of titanium bars from the customers.

In 2008, Baoji Tai Yuan Non-ferrous Metal Co.,Ltd was established. Since then, the production of titanium wire have been brought into our system. The factory owns drawing machine, straightener, peeling machine, annealing furnace and coiling machine. We could supply customers with wire in coil, straight wire and wire in spool. The surface could be acid pickled, peeled and polished.

Reacto was founded to export titanium and other non-ferrous metal products world wide. Till now, our products have been accepted in America, Japan, Germany, South Korea, Canada, Southeast Asia, etc. Besides titanium bars and wire, fasteners and machining parts account for a large proportion of our main products. We have cooperated with 4 factories (JHY Titanium, Precision Titanium, Tongye Titanium, Huahao Titanium)who specialize in the business of titanium fasteners and machining parts for almost 5 years. So we have the ability to satisfy your special and different needs.

1998年に設立した天罡チタン社と2008年に設立した泰園チタン社をもとに、海外への営業拡大に伴い、宝鶏リアクトチタン有限公司を新たに設立しております。

天罡チタンとしては、メインにチタン棒材をつくる工場です。丸棒・四角棒・フラット棒・六角棒等はラインナップされています。二十年以上のチタン棒材の生産経験を有しているので、業界では高く評価を頂いています。ここ数年、生産設備の強化及び生産工程の改善によって、より良く棒材を提供させていただきます。

経済不況の2008年に、製品システムを豊にするために、チタン線材を作製する泰園チタンを設立しました。最初の二台設備から、完備する生産ラインを立ち上げております。国内をはじめ、地元の貿易会社に経由し、世界各国へ線材を納品しております。

弊社は新たにできたものですが、米国・日本・ドイツ・韓国などの国々のお客様に認めて頂き、定期注文を頂いています。チタン棒材と線材のほかに、チタンボルトナット及び図面加工品も、弊社の強みとなっております。地元の優良企業と連携し、より良く製品を作製しております。

チタンにつきまして、何かありましたら、微力ながら、全力にてサポートをさせていただきます。

ABOUT PIPES/ TUBES

We offer all forms of pipes with materials such as titanium, nickel, tungsten, tantalum, molybdenum, zirconium, and niobium.

Size: OD5mm - 120mm * WT0.5mm - 10mm * L25000mm

Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945, ASTM B523, ASTM B658, ASTM B521, ASTM B394, ASTM B386

Form: seamless pipes, welded pipes, round pipes, U pipes, rectangular pipes, pipes in coil

Applications: oil, marine, heat-exchanger, bicycle frame, exhaust

ABOUT CAPILLARY

We offer all forms of capillaries with materials such as titanium, nickel, tungsten, tantalum, molybdenum, zirconium, and niobium.

Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L

Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945, ASTM B523, ASTM B658, ASTM B521, ASTM B394, ASTM B386

Applications: medical, electronic, bicycle, motors and areospace.

DETAILS



GR1: Unalloy titanium, offering excellent ductility, cold formability, capable of drawing, and high corrosion resistance.

Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L

Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H
GR1	Balance	0.2	0.08	0.03	0.15	0.015

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR1	35	240	20	138	24	30



GR2: Unalloy titanium gr2 holds a great balance between strength and ductility, with high corrosion resistance.

Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L

Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H
GR2	Balance	0.3	0.08	0.03	0.25	0.015

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR2	50	345	40	275	20	30



GR3: Unalloy titanium gr3 offers improved strength with moderate ductility.
 Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L
 Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H
GR3	Balance	0.3	0.08	0.05	0.35	0.015

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR3	65	450	55	380	18	30



GR4: Unalloy titanium gr4 offers improved strength with moderate ductility.
 Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L
 Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H
GR4	Balance	0.5	0.08	0.05	0.4	0.015

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR4	80	550	70	483	15	25



GR5: Alloyed with 6% aluminum and 4% vanadium gr5 titanium is the most widely used titanium alloyed material, due to its light weight and high strength.
 Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L
 Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H	AL	V
GR5	Balance	0.4	0.08	0.05	0.2	0.015	5.5-6.75	3.5-4.5

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR5	130	895	120	828	10	25



GR7: Alloyed with 0.8% palladium gr7 titanium has improved resistance to corrosion and high temperature.

Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L

Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H	Pd
GR7	Balance	0.3	0.08	0.03	0.25	0.015	0.12-0.25

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR7	50	345	40	275	20	30



GR9: Alloyed with 0.3% molybdenum and 0.8% nickel titanium gr9 has superior corrosion resistance and abrasion resistance.

Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L

Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H	Mo	Ni
GR9	Balance	0.25	0.08	0.03	0.15	0.015	0.2-0.4	0.6-0.9

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR9	70	483	50	345	18	25



GR12: Alloyed with 3% aluminum and 2.5% vanadium gr12 titanium offers high resistance to pressure. The material has good ductility and toughness is widely used on bike frame. Cold-working and weldability are better than Gr5. Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L
Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H	AL	V
GR12	Balance	0.25	0.08	0.03	0.15	0.015	2.5-3.5	2.0-3.0

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR12	90	620	70	483	15	25



GR23: The material Gr23 is a modification alpha plus beta titanium alloy of Gr5, by reducing the content of interstitial elements, also named Gr5ELI. It offers improved toughness and resistance to low temperature. Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L
Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945

Chemical Requirements

Composition	Ti	Fe	C	N	O	H	AL	V
GR23	Balance	0.25	0.08	0.03	0.13	0.0125	5.5-6.5	3.5-4.5

Tensile Requirements

Properties	Tensile Strength min		Yield Strength (0.2% Offset) min or range		Elongation in 4D,min%	Reduction of Area min%
	Ksi	MPa	Ksi	MPa		
GR23	120	828	110	759	10	15



Material: **Medical use titanium bars, Aerospace material.**

Ti-6Al-7Nb, Ti-5Al-2.5Sn, Ti-8Al-1Mo-1V, Ti-6Al-2Sn-4Zr-2Mo
Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L
Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945



Material: Nickel, Tungsten, Molybdenum, Tantalum, Zirconium, Niobium
Size: OD5mm - 120mm * WT0.5mm - 10mm * L25000mm
Standard: ASTM B523, ASTM B658, ASTM B521, ASTM B394, ASTM B386

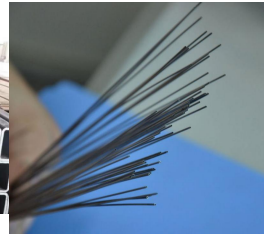
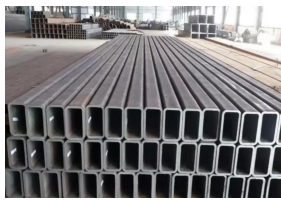
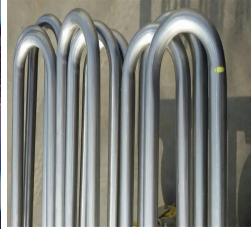
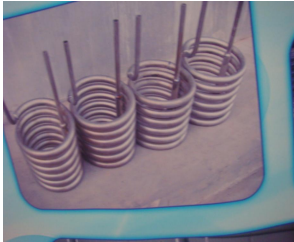


Capillary

Material: Titanium, Nickel, Tungsten, Molybdenum, Tantalum, Zirconium, Niobium

Size: Dia0.2mm - 8mm * WT0.015mm - 0.5mm * L

Standard: ASTM B861, ASME SB861, ASTM B862, AMS 4942, AMS 4943, AMS 4944, AMS4945, ASTM B523, ASTM B658, ASTM B521, ASTM B394, ASTM B386



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