

LASTING TITANIUM

SHAANXI LASTING TITANIUM
INDUSTRY CO.,LTD



COMPANY PROFILE

Shaanxi Lasting Titanium Industry Co.,Ltd is one of the specialized manufacturers of all kinds of titanium & titanium alloy products in China. With 30 years experience, we devote ourselves in producing and exporting titanium materials to the worldwide market. The mainly fields we involved in Automotive, Aerospace, Defense, Medical, Precision Mechanics and 3D Printing etc. Under the support of our almost 200 customers, we have grown from a company which production capacity per year at 800,000kgs into a increased 3,000,000kgs capacity annually.

OUR MAIN PRODUCTS:

TITANIUM INGOTS, FORGING, ROD/BAR, SHEET/PLATE, WIRE,
SEAMLESS TUBE/PIPE, FITTING, TITANIUM POWDER ETC.

GRADE: GR.1,GR.2,GR.3,GR.4,GR.5,GR.7,GR.11,GR.12,
GR.23.Gr.38,Ti811,Ti6242,Ti6246,

SPECIFICATION: ASTM B348,ASTM B381,AMS4928,AMS9047,
AMS4973,AMS4975,AMS4976,AMS4978,
AMS4979,AMS4981.ASTM B265,AMS 4911,
AMS 4900,AMS 4901,AMS 4902,MIL-T9046,
ASTM B338/ASME SB338,ASTM B861/
ASME SB861.ASTM B862.



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FORGING SYSTEM

The operational capacity for Titanium and alloy billet, bar, disc, ring and forgings is 7,000 tons per year. The production equipment to do this includes our 4,500-ton high-speed forging press, which operates up to a maximum of 110 strokes per minute and is controlled by Siemens' SIMATIC Programmable Logic Control and data-logging system. To ensure a stable process and high-quality output, the system also comes with infrared automatic temperature detection and omni-directional cameras, which can monitor the whole process while the forging press is in operation.





SMELTING SYSTEM

We invested to ensure that our smelting production system is world class. The overall system consists of two 3-ton Vacuum Arc Remelting (VAR) furnaces and four 10-ton VAR furnaces, a high-precision automatic titanium sponge mixing system from America and an 8,000-ton hydraulic press. This gives us capability to produce ingots up to 12-tons and an operational capacity of 10,000 tons per year.



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COMPANY QUALIFICATION

Shaanxi Lasting Titanium Industry Co.,Ltd had been certificated by ISO9001:2016, AS9100 Rev.C, AS 9120, PED(Pressure Equipment Directive) and China Weapons and Equipment Certificate. We also are the member of ITA, MPIF, EPMA, and APMA. With advanced production equipment, physical & chemical analysis equipment, we can ensure high quality, reasonable price, fast delivery, unparalleled service to all the customers.





TITANIUM INGOTS AND SLABS

Ingots are melted by VAR or EB. Surface turned, cracks and imperfections longitudinal and transversal have to be removed by grinding or turning, defects to be ground off smoothly.

No sharp edges, bottom and top ends saw cut or machined, suitable for forging/upset forging.

Ultrasonic testing and quality inspection are required after machining.

Ingots size:

Dia.(mm)	350	440	460	520	620	720	820	860	920	1010	1200
N.W.(kgs)	800	1300	1500	2000	3000	4500	5800	6500	7500	10000	15000

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Slab size:

Thickness: 90mm~150mm

Width: 700mm~1500mm

Length: 10000mm max

GARDE

GR.1,GR.2

GR.3,GR.4

GR.5,GR.7

GR.9,GR.11

GR.12,GR.16

GR.23.GR.29

Wst.Nr.3.7025

Wst.Nr.3.7035

Wst.Nr.3.7165

Wst.Nr.3.7235

TI-6AL-4V

STANDARD

ASTM B348

ASTM B265

ASTM F67

ASTM F136 ELI

ASTM B381

AMS 4928

AMS 4911

MIL-T-9046

MIL-T-9047





TITANIUM FORGING

Products: Titanium disc, ring, block, bar, shaft etc.

Grade: GR. 1, GR. 2, GR. 3, GR. 4, GR. 5, GR. 7, GR. 11, GR. 12, GR. 23, Gr. 38, Ti811, Ti6242, Ti6246

Standard: ASTM B348, ASTM B381, AMS4928, AMS9047, AMS4973, AMS4975, AMS4976, AMS4978, AMS4979, AMS4981.



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TITANIUM FORGING

Dimension of disc and ring	Dimension of bar	Dimension of Slab
Diameter:4000mm max.	Diameter:60mm~500mm	Length: 8000mm max
Height:500mm max.	Length:13000mm max.	Width: 1500mm max.
/	/	Thickness: 250mm max





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TITANIUM SHEET/PLATE

CONDITION	THICKNESS	WIDTH	LENGTH
Cold rolled	≦ 4.0mm	≦ 1500mm	≦ 6000mm
Hot rolled	4.0~100mm	≦ 3000mm	≦ 12000mm
Coil	0.3~4.0mm	300~1219mm	/
N.W.of each Coil		300kgs~7000kgs	



TITANIUM ROD/BAR

As forged or rolled, surface will be machined or grinded. Finished bars are subjected to 100% Ultrasonic testing acc. to AMS2631/AMS2154. UT detection standard including: AA, A1, A, B.



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Condition	Range of size(mm)
Hot forged	Dia.100~Dia.450×L.6000max.
Hot rolled	Dia.8~Dia.100×L.6000max.
Cold rolled	Dia.2~Dia.8×L.3660max.

Tolerance: h8-h12
Grade: Gr.1, Gr.2, Gr.3, Gr.4, Gr.5, Gr.7, Gr.12, Gr.23, Ti-6AL-4V, Ti-811, Ti-15333, Ti-6242, Ti-662, Ti-1023, Ti-6246
Specification: ASTM, ASME, AMS, ISO, MIL, DIN





Titanium Wire

Titanium Wires Dimension Tolerance

DIAMETER	0.1-0.3mm	0.31-0.8mm	2.0-6.0mm	0.8-2.0mm
TOLERANCE	±0.025	±0.04	±0.10	±0.05
LENGTH	200-500mm	500-1000mm	>2000mm	1000-2000mm
TOLERANCE	±1.0	±1.5	±2.5	±2.0

3D Printing Titanium-Titanium wires and rods

Sizes: Dia 1.0-260mm

Specification: AMS 4954, ASTM F136, AMS 4956, ASTM B863, AMS 4951.

We supply lower oxygen titanium wires and bars for spherical powder.



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TITANIUM WELDING WIRE

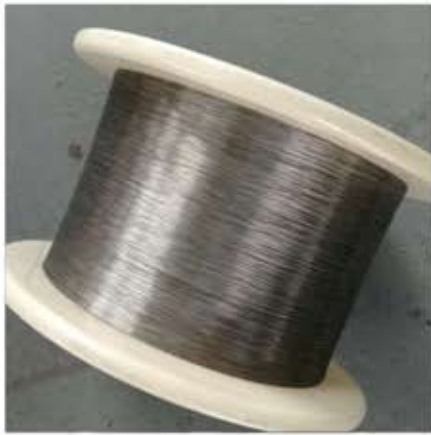
AWS Classification

AWS A5.16	UNS NUMBER	AMS	ASTM B348/B863
ERTi-1, ERTi-2, ERTi-3, ERTi-4, ERTi-5, ERTi-7, ERTi-9, ERTi-12, ERTi-23	R50100, R5120, R50125, R50130, R56400, R52401, R56320, R56408	AMS4951, AMS4954, AMS 4956	Gr.1, Gr.2, Gr.3, Gr.4, Gr.5, Gr.7, Gr.9, Gr.12, Gr.23

Size: Dia 0.8-6.35mm

Type: Titanium straight wires, length: 1000mm & 914mm

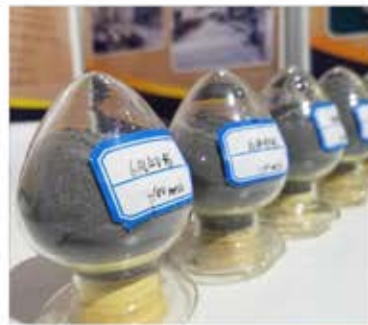
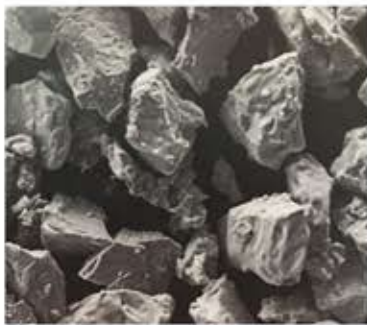
Titanium wires in coil. Titanium wires in spool. D600, D300, D100 spool





TITANIUM POWDER

Granularity: -800 μm , -450 μm , -250 μm , -180 μm , -150 μm , -106 μm , -75 μm , -45 μm .
Other granularity available as requested.
Packing: Steel drum lined with plastic bag with net weight of 50kg.



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TITANIUM TUBE/PIPE

Grade No.	OD(mm)	W.T.(mm)	L(mm)	Specification
Gr.1,2,3,5,7,9,12 Seamless Tube	3.175-219	0.4-12.7	16000max	ASTM B338/ASME SB338 ASTM B861/ASME SB861
Gr.1,2,3,5,7,9,12 Welded tube	12-50.8	0.5-2	21000max	ASTM B338
Gr.1,2,3,5,7,9,12 Large Welded pipe	114.3-609	2-8	6000max	ASTM B862



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