



Corporate Presentation

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[Tiangong Titanium \(TGTi\) - Jiangsu Tiangong Technology Co., Ltd.](#)
[No.9, Lin' gang Industrial Area, Xiashu Town, Jurong City, Zhenjiang, Jiangsu Province, China](#)
www.tiangongti.com





Company Profile

- TGTi or Tiangong Titanium is world-class Titanium alloy manufacturer located in Jiangsu, China.
- Can produce 10 000 tons annually and employs 600 people
- Products include bars, wire, sheets, plates and Tube
- Regularly produced alloys include Gr 1, 2, 3, 5, 12 and 23.
- **TGTi** is a subsidiary of **Tiangong International**





Company Profile: TG, the parent company

TG: Tiangong International

- Founded in 1981
- > **1.3 million m²** of facility surface area
- > **3600 employees**
- **World's 2nd largest producer** of Special Steel (HSS+TS)
- Product include HSS, cutting tools, tool steel, die steel, metal powder, and now titanium(TGTi)
- TG's headquarter is located in Danyang City, near Shanghai.
- Public company listed on the **Hong Kong Stock Exchange** since 2007.





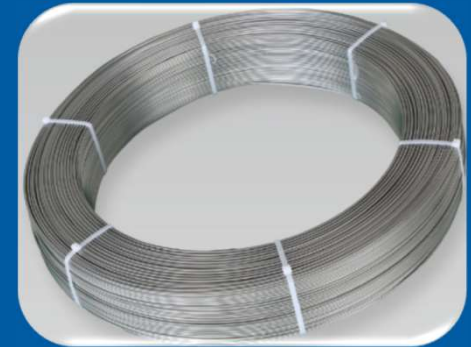
The TG group, a World leader



Tiangong International is the World's 2nd largest producer of Special Steels (HSS and TS) and employs more than 3600 people. The company is so significant, it hosts its own conference.



Products Overview

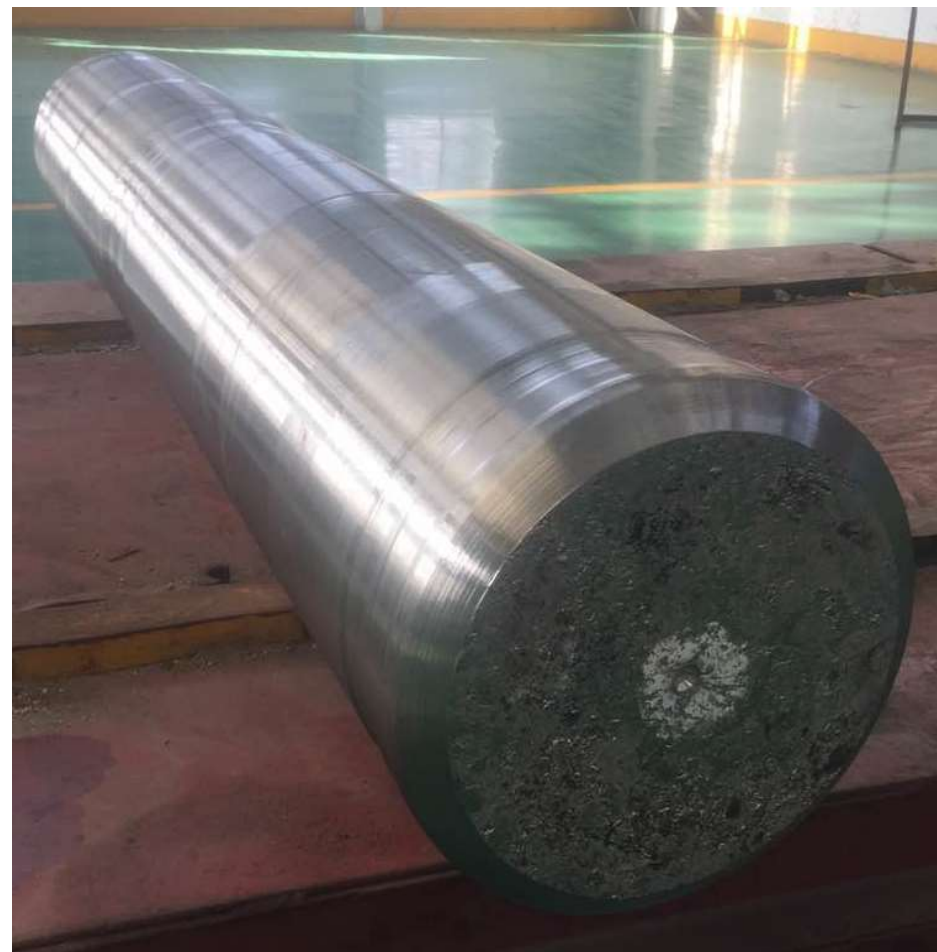


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- We supply ingot to many wire and bar producers
- Customers include Tipro International

Description	Grade	Size(mm)	Standard
Ingot	CP Ti Grades 1, 2, 3, 4, Ti 6Al-4V(GR5), Ti-3Al-2.5V(GR9), GR23, Ti-4Al-2.2V(TB13)	Φ420 ; Φ620 ; Φ760 ; Φ860 ; Φ960 ; Φ1040	ASTM B348

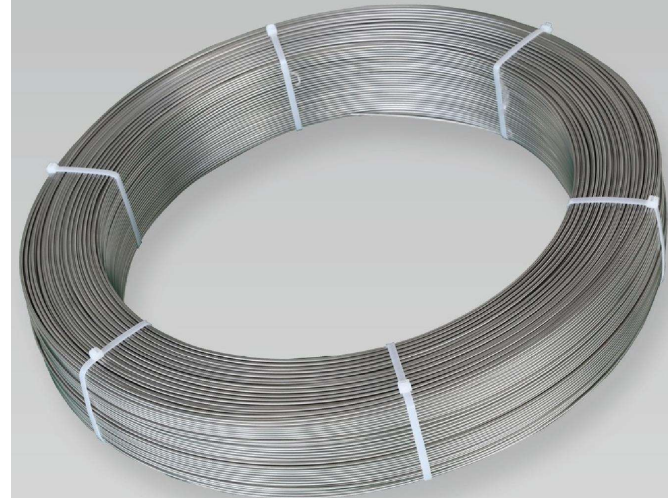
VAR furnace	Quantity	Capacity /month	Size
1.5T	10sets	150T	φ360-420mm
3T	2sets	80T	φ500-620mm
11.5T	6sets	650T	φ760-1040mm



- Designed with our customer needs in mind, our Titanium wire meets the most stringent specifications of aviation and metal additive manufacturing.
- Our customers brought to our attention that they needed a wire below 500 ppm of oxygen, that they needed long-term traceability and right to access. We have listened.
- This wire aims at Plasma Atomization powder producers that supply Aerospace original part manufacturers.

Specifications:

- Available grades: 1, 2, 3, 5, 12, 23 including Ti-6Al-4V SUPERELI (O <500 ppm)
- Diameter: 1 to 13 mm
- Coil, spool
- Flatly coiled for easy unwinding
- According to: AWS A5.16, ASTM B863, ASTM F136, ASTM F67, AMS 4954, AMS 4951
- Weight:
 - Coiled: 30-120 kg per coil
 - Spooled: 7-11 kg per spool
- Capacity: **600 MT/year**





Bars

- Designed with our customer needs in mind, our Titanium bars meets the most stringent specifications of aviation and metal additive manufacturing.
- This product of the AeroAM series specifically aims at Gas Atomization powder producers that supply the Additive Manufacturer of parts for aerospace.

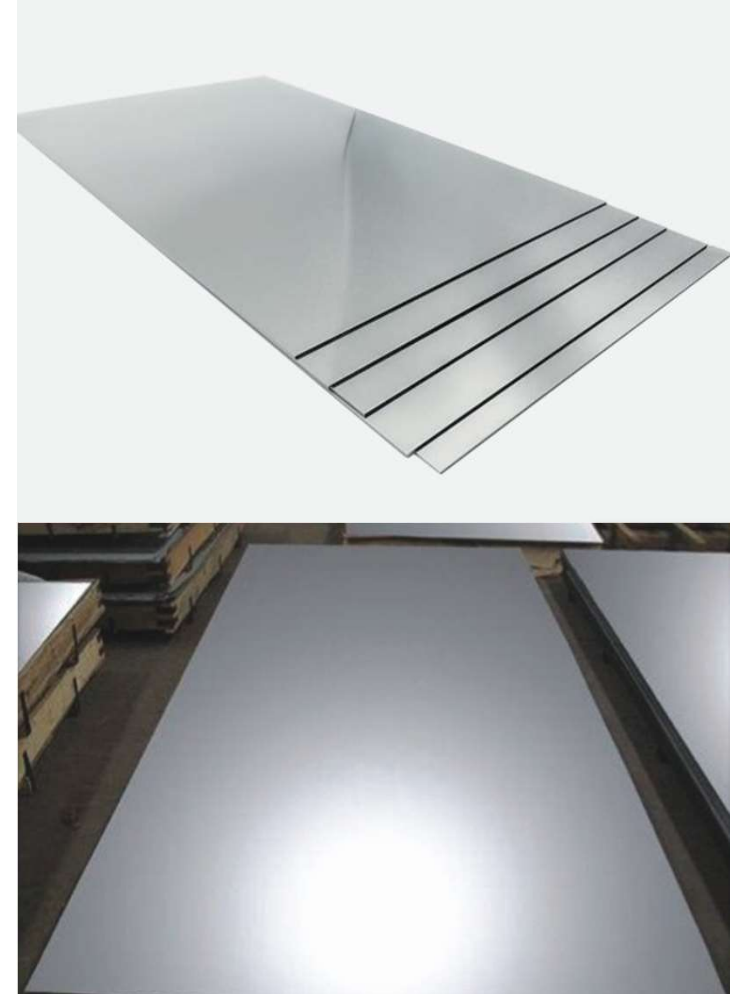
Specifications:

- Available grades: 1, 2, 3, 5, 12, 23 including Ti-6Al-4V SUPERELI (O <500 ppm)
- Diameter: 1 to 400 mm
- According to: ASTM B348, ASTM F67 ASTM F136.
- Tolerance: H7-H9
- Capacity: **2 000 MT/year**



- We offer both Hot and Cold rolled sheets

Description	Grade	Diameter(mm)	Standard
Hot Rolled Sheets	Gr1~Gr5, Gr23	(4.0~30)×1100×(500-2000)	ASTM B265 , ASTM F67, AMS4911
Cold Rolled Sheets	Gr1~Gr5, Gr23	(1.5~4)×1100×(500-2000)	ASTM B265 , ASTM F67, AMS4911



Description	Grade	Diameter(mm)	Standard
Plate	Gr1~Gr5, Gr23	(41-200)×1100	ASTM B265, ASTM F136, ASTM F67, AMS4911



Description	Grade	Diameter(mm)	Standard
Tube	Gr1,Gr2	0.7~12mm TxΦ15~250mm ODx L	ASTM B338, ASTM B861





Manufacturing Process

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Manufacturing Process: Sponge Mixing





Manufacturing Process: Making Compacts





Manufacturing Process: Making the Electrode





Manufacturing Process: VAR





GFM 750 T Precision Forging



SMS Meer 1300 T Precision Forging



Model	300 Rolling	350 Rolling	400 Rolling	650 Rolling	Half Rolling	Rod/Coil Rolling Line
Quantity(set)	1	1	1	1	1	1
Round Size(mm)	20~30	30~50	50~95	95~120	-	20~55
Coil Size(mm)	-	-	-	-	6.5~20	6.5~20
Square/Flat size (mm)	8.8~25	25~40	40~75	-	-	-





Manufacturing Process: Wire Drawing





Quality Control & Assurance

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Quality Assurance Certificates



GJB 9001C-2017



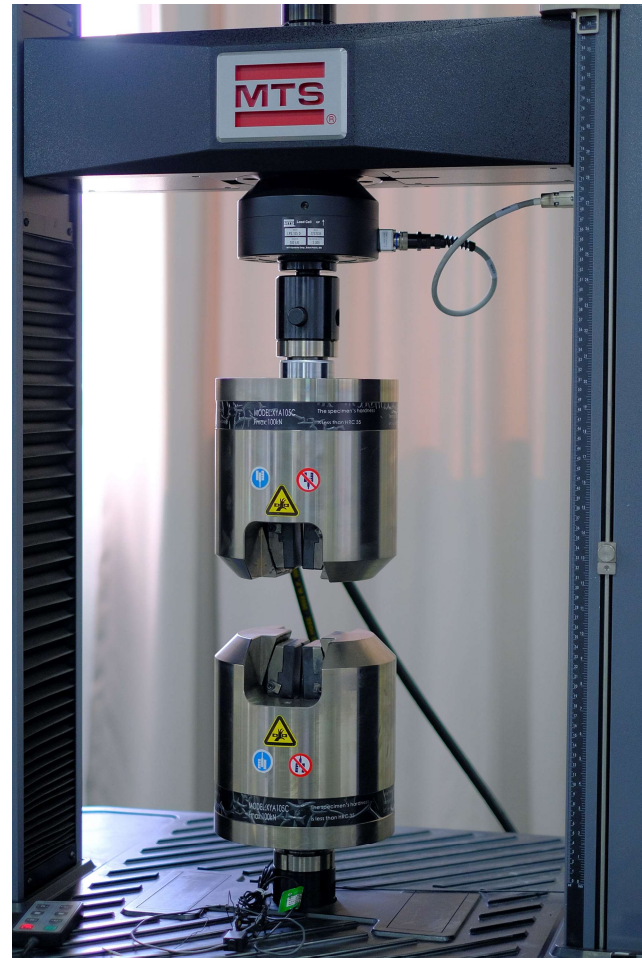
GB/T 19001-2016/
ISO9001:2015



AS9100D



AS9120B



Equipment List:

- Tensile Testing Machine
- ZEISS2000MAT Metallographic Microscope
- ZEISS2000 Stereoscopic
- Plasma Emission Spectrometer
- ONH/C Analyzer





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