



Aerospace-Grade Titanium Wire & Bars



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Tiangong Titanium (TGTi) - Jiangsu Tiangong Technology Co., Ltd.
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TGTi – The partner you can trust

Company Summary:

- 80 000 sq. meters of facility
- > 600 employees
- > 75 MM USD/EUR
- Annual Capacity: 10 000 tons/year of Titanium products
- AS9100D, ISO 9001, 14001 and 45001 certified
- Subsidiary of **Tiangong International (TG)**, World leader in High Speed Steel



“Ronnie” Jiang Rong Jun
General Manager

Introducing The **AeroAM** Product series

- **True** AS9100D Compliance
- 100 % in-house production
- High-End Processing Equipment
- Complete Traceability
- Right to access your data
- Long-term production data archival
- Facilitated Qualification Process
- Multilingual Technical Support
- FOD-aware team and facility
- World-Class QC laboratory
- Free technical support from our experts

Available grades:

- Grade 1, 2, 3, 5, 12, 23
- Ti-6Al-4V SUPERELI (O <500 ppm)

High-End Manufacturing Equipment

With facilities including a 3500-ton press, a 6300-ton press, plasma vacuum welding chambers, 1.5-ton, 3-ton, and 10-ton vacuum self-consumption melting furnaces, 18 units of 1250-ton and 4500-ton fast forging machines, pipe rolling machines, wire drawing machines, precision finishing equipment, TGTi boasts an extensive array of advanced equipment.

The company produces 10,000 tons of titanium and titanium alloy products annually, including titanium ingots, pipes, rods, plates, discs, round bars and wire materials.



World-Class Quality Control

TGTi takes Quality Control very seriously to ensure the highest level of consistency and repeatability. TGTi operates a wide range of testing equipment such as X-ray microscopes, micro Vickers hardness testers, universal electronic tensile testing machines, oxygen-nitrogen-hydrogen analyzers, carbon-sulfur analyzers, and inductively coupled plasma optical emission spectrometers.

To accommodate the large production volume, TGTi typically possesses several copies of some of the critical analytical equipment.

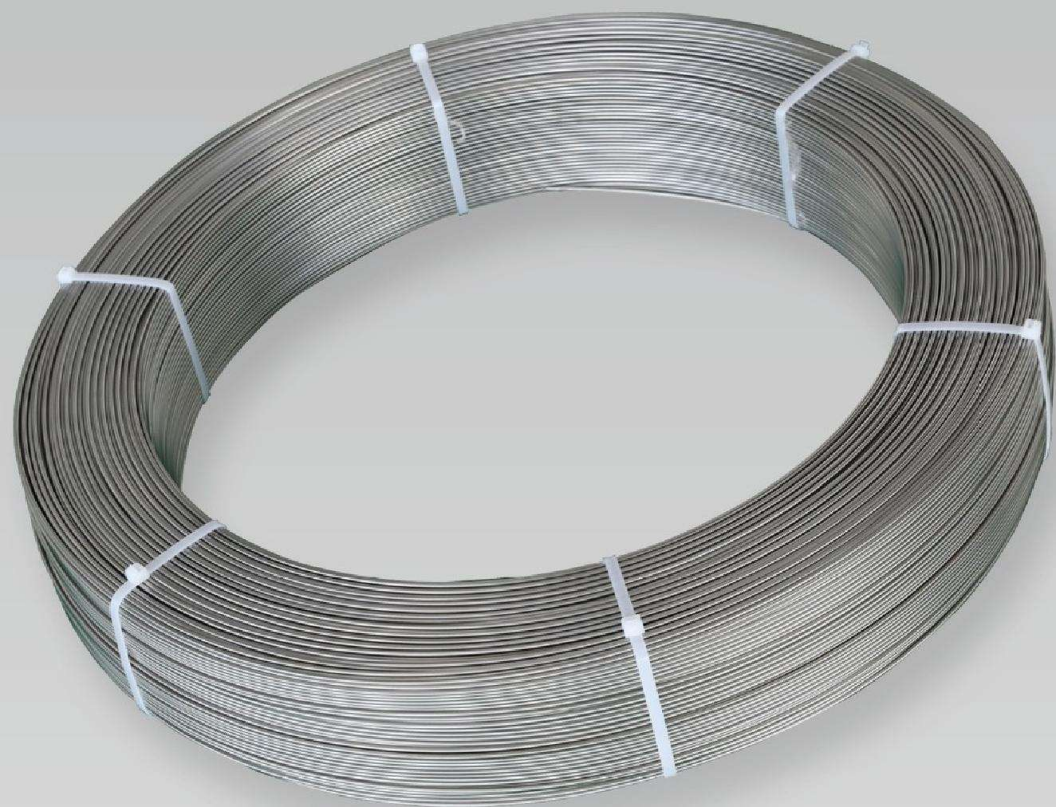


Aerospace-Grade Titanium Wire

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**

Aerospace-Grade Titanium Bars

Designed with our customer needs in mind, our Titanium bars meet 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**