



BEIYU
TITANIUM ALLOYS

PRODUCT BROCHURE

Titanium, nickel, zirconium, refractory metals, clad materials and custom fabricated components for industrial purchasing teams.

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Titanium Bars & Rods



Sheet, Plate & Foil



Tubes & Pipes

01

Applications & Industries

Aerospace, chemical, medical, energy, marine and industrial use cases.

02

Company & Capabilities

Jiaxing export service with Baoji production resources and processing support.

03

Quality, Inspection & Service

Quality control workflow, compliance support and after-sales response.

04

Titanium Processing Flow

From sponge titanium and ingot to plates, bars, tubes, wire and forgings.

05

Product Portfolio

Titanium, nickel, zirconium, refractory metals and clad materials.

06

Core Titanium Products

Bars, rods, sheets, plates, tubes, wires, forgings, flanges and CNC parts.

07

Specialty Metals & Equipment

Nickel alloys, zirconium, refractory metals and clad industrial components.

08

Packaging & Shipment

Export crates, internal protection, marking and pre-shipment dispatch.

09

Contact

RFQ checklist, official website, email, phone and addresses.

1 Aerospace & Defense

High strength-to-weight ratio and heat performance for structural and engine-related requirements.

2 Chemical & Petrochemical

Titanium and nickel alloy materials for pressure vessels, heat exchangers, reactors and corrosive media handling.

3 Medical & Biomedical

Titanium bars, sheets and machined parts for implants, instruments and precision components.

4 Energy & Power

Condenser tubes, fabricated components and specialty alloys for thermal, nuclear and renewable energy systems.

5 Marine & Offshore

Titanium tubes, plates and fasteners for seawater environments and offshore structures.

6 Automotive & Sports

Lightweight fasteners, exhaust parts, bicycle components and custom performance hardware.



Mill products, fabricated components and equipment materials

Jiaxing Beiyu Titanium Co., Ltd.

Beiyu Titanium is a specialty metal supplier focused on titanium and titanium alloy products, supported by production resources in Baoji and export service capabilities in Jiaxing. The product scope covers mill products, semi-finished parts, precision machining and selected equipment materials. We support buyers with material selection, specification matching, processing coordination, packing and shipment documentation.

5+

Material families

20+

Product forms

Global

Export service

Custom

Processing support



Bars & billets



Forgings



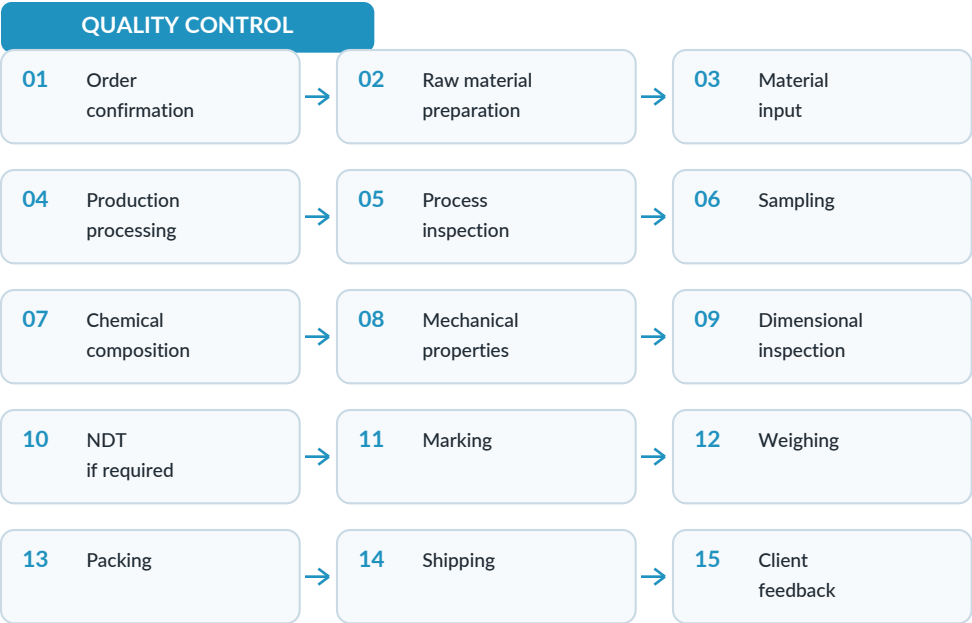
Plate & sheet



Machined parts

Quality control workflow

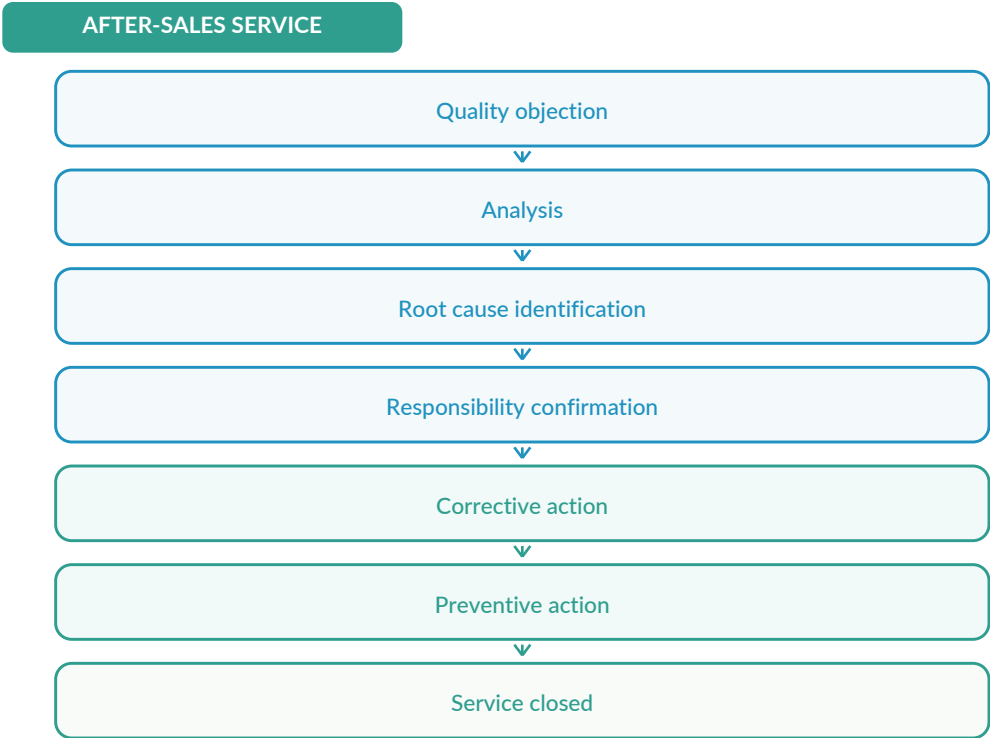
Structured checkpoints from order confirmation to shipment and customer feedback.



- **Measuring tools** Scheduled calibration for dimensional accuracy.
- **Supplier review** Qualification and periodic review for stable material quality.
- **Traceability** Complete records from raw material to shipment.

After-sales response

Clear path for quality objections, root cause analysis, corrective action and closure.



Service principle

Respond quickly, identify root cause, confirm responsibility, and close the loop with corrective and preventive actions.

Complete documentation. Confident supply.

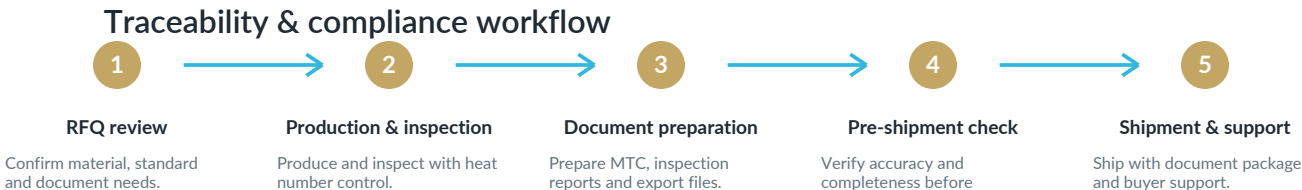
Reliable documentation is essential to industrial purchasing. We support document review at RFQ stage, prepare certificate packages, and keep records consistent with every shipment.

- Material traceability from melt to shipment with heat number control.
- Accurate documents matched to purchase order and specification requirements.
- Early RFQ review for document and inspection requirements.
- Pre-shipment document check before delivery.

Typical support items

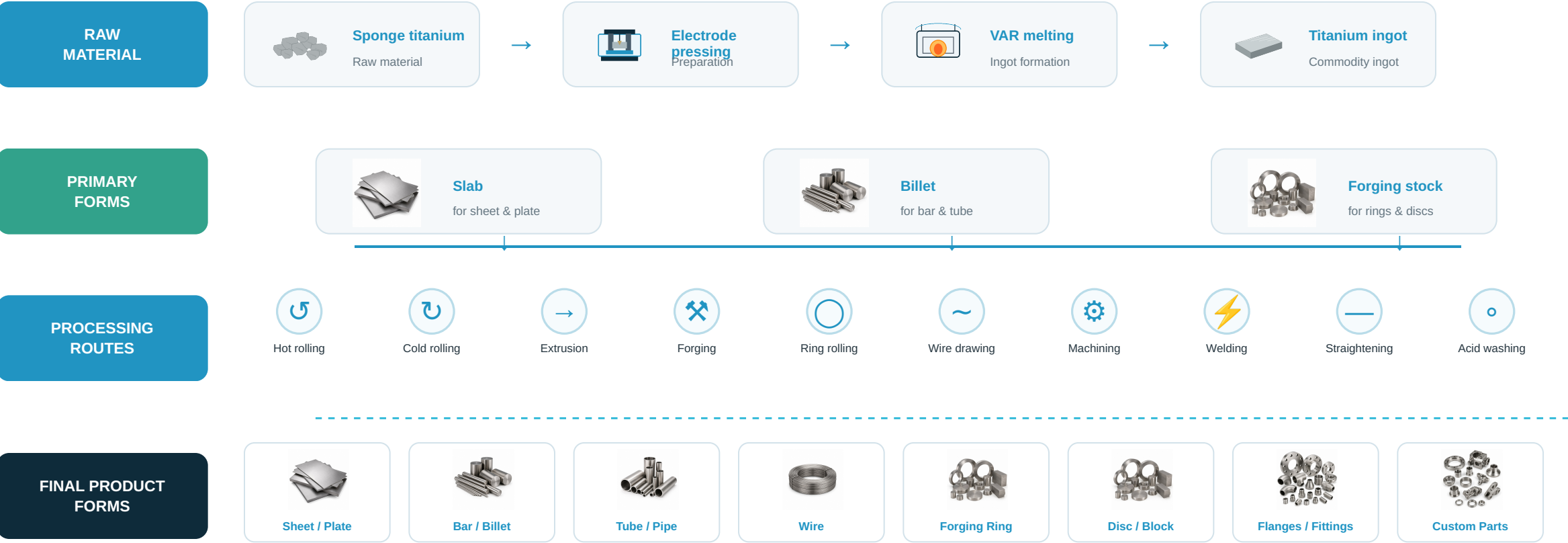
Standards review	Review material and document requirements at RFQ stage
Certificate package	Compile certificate package according to PO requirements
Inspection coordination	In-house, third-party or buyer-arranged inspection support
Export documents	Packing list, invoice, CO, shipping marks and export files

Certificate & document support



Factory-backed process route

A visual material route from sponge titanium and ingot to plates, bars, tubes, wire and drawing-based components.



Process routes are selected according to grade, required form, tolerance, surface condition and final application.



Product portfolio visual - mill products and fitted components

1 Titanium & Titanium Alloys

Bars, rods, sheets, plates, foils, tubes, pipes, wires, forgings, rings, flanges, fasteners and CNC parts.

2 Nickel & Nickel Alloys

Nickel 200/201, Inconel, Monel, Hastelloy, Incoloy and custom alloy forms.

3 Zirconium Materials

Zirconium bars, wires, sheets, plates, forgings, tubes and pipe products.

4 Refractory Metals

Tungsten, molybdenum, tantalum and niobium forms for high-temperature applications.

5 Clad Materials & Equipment

Titanium clad plate, clad bars, heat exchangers, condensers, pressure vessels, tanks, pumps and valves.

Core material forms for RFQ-driven supply

Balanced overview page with one matched product visual per form group and a compact specification snapshot.

Product form groups



Bars & Rods



Sheet, Plate & Foil



Tubes & Pipes



Wire & Coil

Specification snapshot

Materials	Gr1, Gr2, Gr5 (Ti-6Al-4V), Gr7, Gr9, Gr12 and customer-specified titanium alloys
Forms	Round bar, flat bar, hex bar, sheet, plate, foil, coil, tube, pipe and cut-to-size blanks
Standards	ASTM B265, ASTM B348, ASTM B338, ASTM B337, ASTM B861/B862, AMS 4928, AMS 4911 and equivalents
Surface	Pickled, polished, machined, ground, black surface or customer-specified finish
Processing	Cutting, straightening, grinding, polishing, drilling and simple machining support

Supply range

Specifications are confirmed against buyer drawing, grade and quantity before quotation.

Product forms	Round bar, flat bar, square bar, hex bar, billet and custom cut lengths
Common grades	Gr1, Gr2, Gr5, Gr7, Gr9, Gr12 and Ti-6Al-4V ELI by request
Diameter / size	Small precision bars to large-diameter forged or rolled bars; cut length per order
Standards	ASTM B348, ASTM F67, ASTM F136, AMS 4928 and equivalent specifications
Documentation	MTC, heat number tracking, photos and packing list support

Typical applications

- Fasteners, shafts, medical components and machined parts
 - Aerospace, chemical, marine and industrial replacement parts
- Sizes and tolerances are confirmed by grade, process route and final application.



Image match: solid titanium bars, rods and billets

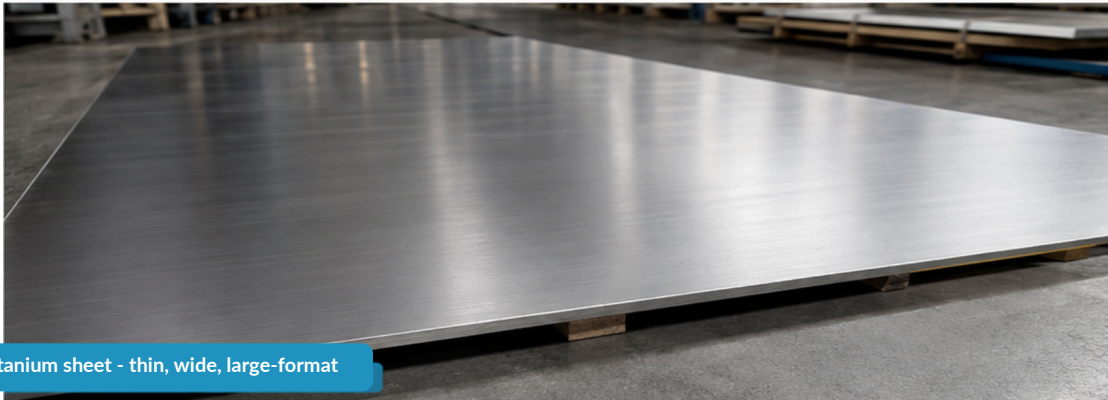
Large-format sheets and heavy plates

Visual scale adjusted to show whole sheets/plates instead of small cut samples.

Product forms	Sheet, plate, foil, strip and cut-to-size blanks
Size range	Large format sheets and heavy plates, subject to grade and stock availability
Standards	ASTM B265, ASME SB265, AMS 4911, ASTM F67 / F136 and buyer drawings
Surface	Pickled, polished, sandblasted, rolled or custom finished
Packing	PE film, foam/EPE edge protection, plywood export cases and customized supports

Typical applications

- Heat exchangers, pressure vessels and chemical processing
- Aerospace sheet parts and formed components
- Marine, medical and industrial fabrication



Titanium sheet - thin, wide, large-format



Titanium plate - thick, heavy, solid

Flatness, surface condition and packing method are confirmed against drawing and application.

Tube, pipe and wire forms shown separately

The tube visual is reduced and aligned with the wire cards to keep the two sides balanced and readable.



Tubes & pipes

Seamless tube, welded pipe, capillary tube and cut-to-length supply.

Tube forms	Seamless tube, welded pipe, capillary tube and custom tube lengths
Wire forms	Spool wire, coil wire, straight wire and welding filler wire
Grades	GR1, GR2, GR5, GR7, GR9, GR12 and related titanium alloys
Standards	ASTM B337 / B338 / B861 / B862, AWS A5.16 and buyer drawings
Surface	Bright, pickled, polished and custom finished



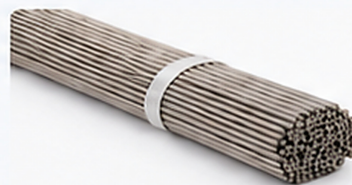
Spool wire

Neatly wound on spools for smooth feeding and controlled dispensing.



Coil wire

Coiled form for storage, general use and flexible order quantities.



Straight / welding filler wire

Straight lengths for welding, fabrication and drawing-based applications.

Order form, spool type, coil weight and straight length can be matched to buyer use case.

Supply range

Specifications are confirmed against buyer drawing, grade and quantity before quotation.

Forgings	Rings, discs, blocks, shafts, flanges and shaped forgings
Processing	Hot forging, rolling, turning, drilling, boring, rough machining and finishing support
Surface	Machined, polished, sandblasted, anodized or PVD coated by request
Order basis	Sample, drawing, standard part number or application requirement
Standards	ASTM B381, AMS 4928, ASTM F67/F136 and customer drawings where applicable

Typical applications

- Aerospace hardware and structural components
- Chemical flange systems and custom connectors

This page intentionally excludes CNC assemblies; precision parts are shown on the next page.



Image match: titanium rings, discs, billets and blocks

Supply range

Specifications are confirmed against buyer drawing, grade and quantity before quotation.

Flanges & fittings	WN, SO, BL, TH, SW, reducers, elbows, tees and custom titanium or nickel alloy fittings
Fasteners	DIN, ISO, ASTM, ASME and drawing-based bolts, nuts, screws and washers
CNC parts	Precision machined titanium components with drawing review before quotation
Tolerances	Commercial or tighter tolerance levels according to order drawings
Packing	Part-separated packing, labels, photos and export-ready cases

Typical applications

- Pressure equipment and chemical piping systems
- Precision instrument, sports and aerospace components

Multiple images are used because this page covers three finished-part groups.



Image match: flanges and pipe fittings



Image match: fasteners



Image match: CNC machined parts

Supply range

Specifications are confirmed against buyer drawing, grade and quantity before quotation.

Materials	Nickel 200/201, Inconel, Monel, Hastelloy, Incoloy and equivalent alloys
Forms	Tube, pipe, sheet, plate, bar, wire, forgings, flanges, fittings and machined parts
Processing	Cutting, machining, polishing and simple fabrication support
Standards	ASTM, ASME, DIN and buyer technical requirements
Typical property	Strong corrosion resistance and high-temperature performance in demanding media

Typical applications

- Chemical processing and petrochemical equipment
- Heat exchangers, valves, pumps and fittings

Nickel alloy products visually resemble titanium in photos; grade and MTC are the material evidence.



Image match: nickel alloy plates, tubes, bars and fittings

Supply range

Specifications are confirmed against buyer drawing, grade and quantity before quotation.

Materials	Zr702, Zr704, Zr705 and customer-specified zirconium materials
Forms	Bar, wire, sheet, plate, tube, pipe, forging and custom processed parts
Surface	Pickled, polished, machined or as required by order
Order model	Small-batch, mixed-size and drawing-based sourcing support
Documentation	Material certificate, photos and export packing records

Typical applications

- Chemical processing and acetic acid equipment
- Heat exchangers, condensers and reactors

For zirconium and specialty metals, material grade confirmation is required before quotation.



Image match: zirconium mill products and formed parts

Supply range

Specifications are confirmed against buyer drawing, grade and quantity before quotation.

Tungsten	Sheet, plate, bar, wire and machined components for high-temperature uses
Molybdenum	Plate, rod, wire, boat, crucible and custom components
Tantalum	Sheet, plate, rod, tube, wire, target and corrosion-resistant parts
Niobium	Sheet, plate, rod, wire, tube and custom specialty forms
Support	Grade confirmation, drawing review and supplier matching before quotation

Typical applications

- Vacuum furnace, high-temperature and electronic applications
 - Chemical corrosion-resistant components
- These metals are separated by grade and documentation, not by visual appearance alone.



Image match: refractory metal rods, plates, wire, rings and crucible form

Supply range

Specifications are confirmed against buyer drawing, grade and quantity before quotation.

Clad materials	Titanium clad plate, nickel clad plate, steel clad plate and clad bars
Equipment	Heat exchangers, condensers, pressure vessels, tanks, pumps and valves
Fabrication	Drawing-based coordination for welding, forming, machining and assembly
Use cases	Chemical, petrochemical, salt, desalination and marine environments
Buyer support	Quotation review, material matching, inspection photos and shipping documentation

Typical applications

- Projects requiring corrosion-resistant contact surfaces
- Heat transfer, pressure containment and fluid handling

Equipment visuals are kept compact to avoid positioning Beiyu as a general equipment plant.



Image match: clad plates and compact heat-exchanger components

Professional export packaging

Real packing photos show plywood cases, PE film, EPE foam, lifting slings, long-product crates, marking and pre-shipment dispatch.

- **Open crate protection** Sheets and plates secured before final sealing.
- **Seaworthy export cases** Plywood cases with corner protection and labels.
- **Internal protection** PE film, foam or EPE padding against scratches.
- **Custom supports** Tailored supports and slings prevent movement.
- **Dispatch ready** Marked crates prepared for loading and shipment.



Open crate protection and pre-shipment check



Internal foam and sling protection



Ring and rods in custom supports



Long bars packed in long crate



Closed crate with marking label



Loading and dispatch

Packing process

Inspection & cleaning



Protective wrapping



Wooden case sealing



Marking & documents



Loading & dispatch

Tell us the grade, form, size and quantity.

We will help match the material specification, confirm processing options and prepare a practical quotation package for your purchasing team.

1	Grade / Material	Example: Gr2, Gr5, Ti-6Al-4V, Nickel 200, Zr702
2	Product form	Bar, plate, tube, wire, forging, fastener, flange or drawing part
3	Size & tolerance	OD, thickness, length, drawing, surface and tolerance requirements
4	Quantity & delivery term	Pieces, kilograms, meters, EXW / FOB / CIF and destination port
5	Documentation	MTC, photos, third-party inspection, packing marks or special export documents



Bars



Plate



Tube



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BEIYU
TITANIUM ALLOYS

Premium Titanium & Specialty Metal Products

Specification-driven sourcing | Practical documentation | Export-ready packaging



Bars



Plate



Tube



Forgings



Fittings

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