

TONGKE TITANIUM

Professional Titanium Company Profile & Product Catalog

Comprehensive Titanium Supply Solutions

Integrated Titanium Supply & Manufacturing Network

BAOJI, SHAANXI, CHINA

2026 | ENGLISH EDITION

Company Profile

One export contact across Baoji's specialized titanium manufacturing resources

TONGKE (CHINA) INDUSTRIAL supports international titanium procurement from Baoji. We review the specification, identify a suitable product route, coordinate qualified manufacturing resources, and follow the order through documentation, packing, and delivery.

Business model

Integrated supply and manufacturing network. Product routes are selected by grade, standard, dimensions, quantity, processing, and inspection requirements.

COMPREHENSIVE TITANIUM SUPPLIER

Broad product forms
Drawing-based manufacturing
Quality documentation
coordination
International delivery support

Specification driven

Traceable

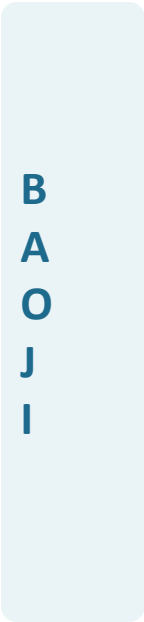
Responsive

Flexible orders

Why Baoji Matters to Buyers

Baoji brings multiple titanium specialties into one established industrial area

01	Material routes	Plate, bar, tube, wire, and forging resources
02	Specialized processing	Rolling, forging, tube production, heat treatment, machining
03	Inspection access	Chemical, mechanical, dimensional, and agreed NDT routes
04	Export coordination	One specification review, document flow, packing plan, and delivery contact



Buyer value: fewer disconnected supplier searches and clearer coordination across product forms.

Why TONGKE

Broad product coverage

One inquiry can cover mill products, forgings, fasteners, and machined components.

Custom manufacturing

Partner resources are matched to the drawing, volume, geometry, and required process.

Export support

Protective packing, markings, documentation, and shipment coordination are planned with the order.

Specification-based supply

The governing grade, standard, condition, tolerance, testing, and documentation define the route.

Quality documentation

MTR/MTC, heat or lot identity, dimensional records, and agreed third-party inspection are coordinated.

Flexible order support

Trial quantities and repeat production are reviewed against practical manufacturing constraints.

Titanium Grades & Standards

PURCHASING PARAMETER	TYPICAL SUPPLY BASIS
Grade 1	Commercially pure Ti, highest ductility among common CP grades
Grade 2	General-purpose CP titanium for corrosion service
Grade 3 / 4	Higher-strength CP titanium options
Grade 5	Ti-6Al-4V, high-strength alpha-beta alloy
Grade 7	Pd-alloyed CP titanium for enhanced corrosion resistance
Grade 9	Ti-3Al-2.5V, commonly selected for tubing and structures
Grade 12	Ti-0.3Mo-0.8Ni for corrosion and temperature service
Grade 23	Ti-6Al-4V ELI with controlled interstitials

Common references

- ASTM: B265, B348/B348M, B338, B381, B861, B862, B863
- ASME requirements when specified for pressure-service procurement
- AMS specifications for defined aerospace supply-chain requirements
- AWS filler designations for welding wire
- GB/T product standards when requested

No automatic 1:1 grade equivalence. The contracted product specification, chemistry, condition, and mechanical requirements govern.

Titanium Plate & Sheet



Plate, sheet, strip, and cut blanks sourced to the ordered grade, standard, condition, tolerance, and surface requirement.

PURCHASING PARAMETER	TYPICAL SUPPLY BASIS
Grades	Gr 1, 2, 3, 4, 5, 7, 9, 12, 23, subject to form
Common standard	ASTM B265; AMS or GB/T when specified
Typical range	Sheet from about 0.3 mm; plate commonly up to 60 mm. Wider or thicker items on inquiry
Condition / surface	Annealed; pickled, blasted, ground, or polished as specified
Processing	Cut to size, waterjet, laser, saw cutting, flat blanks
Inspection	MTR/MTC, dimensions, surface; UT where specified and applicable
RFQ	Grade, standard edition, T x W x L, quantity, tolerance, surface, testing

Typical applications

Chemical equipment, heat exchangers, marine systems, industrial fabrication

Titanium Bar & Rod



Rolled, forged, peeled, turned, or ground bar for stock removal, precision parts, fasteners, and industrial equipment.

PURCHASING PARAMETER	TYPICAL SUPPLY BASIS
Grades	Gr 1, 2, 3, 4, 5, 7, 9, 12, 23, subject to size
Common standard	ASTM B348/B348M; ASTM B381 for forgings; AMS when specified
Typical range	Round bar from small diameters to large forged sections, subject to route
Condition	Annealed or otherwise specified by the governing standard
Surface	Black, descaled, blasted, peeled, turned, or ground
Processing	Cut lengths, faced ends, turning, drilling, CNC machining
RFQ	Diameter, length, tolerance, straightness, machining allowance, UT

Typical applications

Fasteners, shafts, valves, pumps, tooling, motorsport and industrial components

Titanium Tube & Pipe



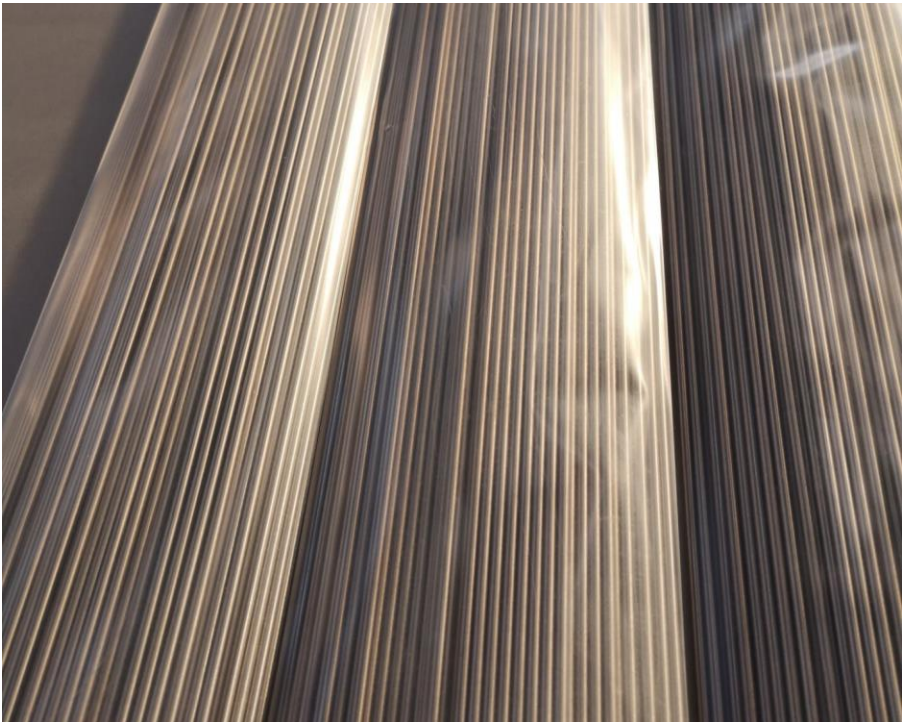
Seamless and welded products for heat transfer, fluid service, piping, and fabricated assemblies.

PURCHASING PARAMETER	TYPICAL SUPPLY BASIS
Product routes	Seamless tube, welded tube, seamless pipe, welded pipe
Common standards	ASTM B338 heat-exchanger tube; B861 seamless pipe; B862 welded pipe
Grades	Commonly Gr 1, 2, 7, 9 and other grades by specification
Dimensions	OD, wall, and length confirmed against process and standard
Condition / finish	Annealed, pickled, bright, or polished as ordered
Testing	Eddy current, ultrasonic, hydrostatic or pneumatic testing as applicable
RFQ	Tube or pipe, seamless or welded, OD x wall x length, ends, service

Typical applications

Condensers, evaporators, heat exchangers, chemical and marine piping

Titanium Wire



Coil, spool, or straightened titanium wire for welding, mesh, forming, springs, and precision applications.

PURCHASING PARAMETER	TYPICAL SUPPLY BASIS
Grades	CP titanium and titanium alloys subject to diameter and application
Common standard	ASTM B863; AWS or AMS designation when specifically required
Typical forms	Fine wire, general wire, welding wire, straight cut lengths
Condition	Annealed, cold worked, or specified temper
Surface	Pickled, bright, ground, or polished as required
Packaging	Spool, coil, or straight bundle, with clean protective packing
RFQ	Alloy, diameter, tolerance, temper, cleanliness, spool and unit weight

Typical applications

Welding, mesh, filters, springs, forming and industrial components

Titanium Forgings



Forged bar, ring, disc, block, billet, flange, and custom forging

- ASTM B381 or drawing-specific requirements when applicable
- Manufacturing route selected by grade, section, geometry, and quantity
- Rough forged, heat treated, machined, or supplied with machining allowance
- UT and other NDT coordinated when specified by the purchaser
- Mechanical and chemical records linked to the agreed heat or lot

Purchaser-defined NDT matters: ASTM B381 notes that ultrasonic, radiographic, or surface inspection must be specified when required.

Rings, Discs & Blocks

Near-net and machining-stock forms

- Forged or cut rings
- Discs and circular blanks
- Rectangular blocks and billets
- Rough-machined preforms
- Custom geometry from approved drawings



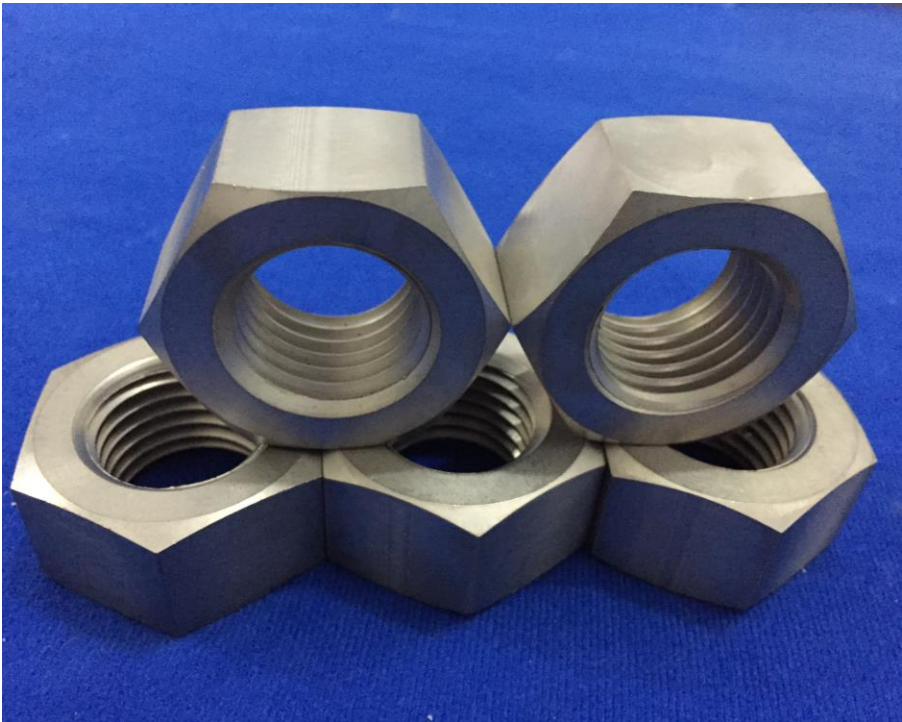
Control points

Grain flow or forging route where relevant; machining allowances, heat treatment, surface condition, dimensions and NDT acceptance criteria.

Subject to specification

Partner route confirmed

Titanium Fasteners



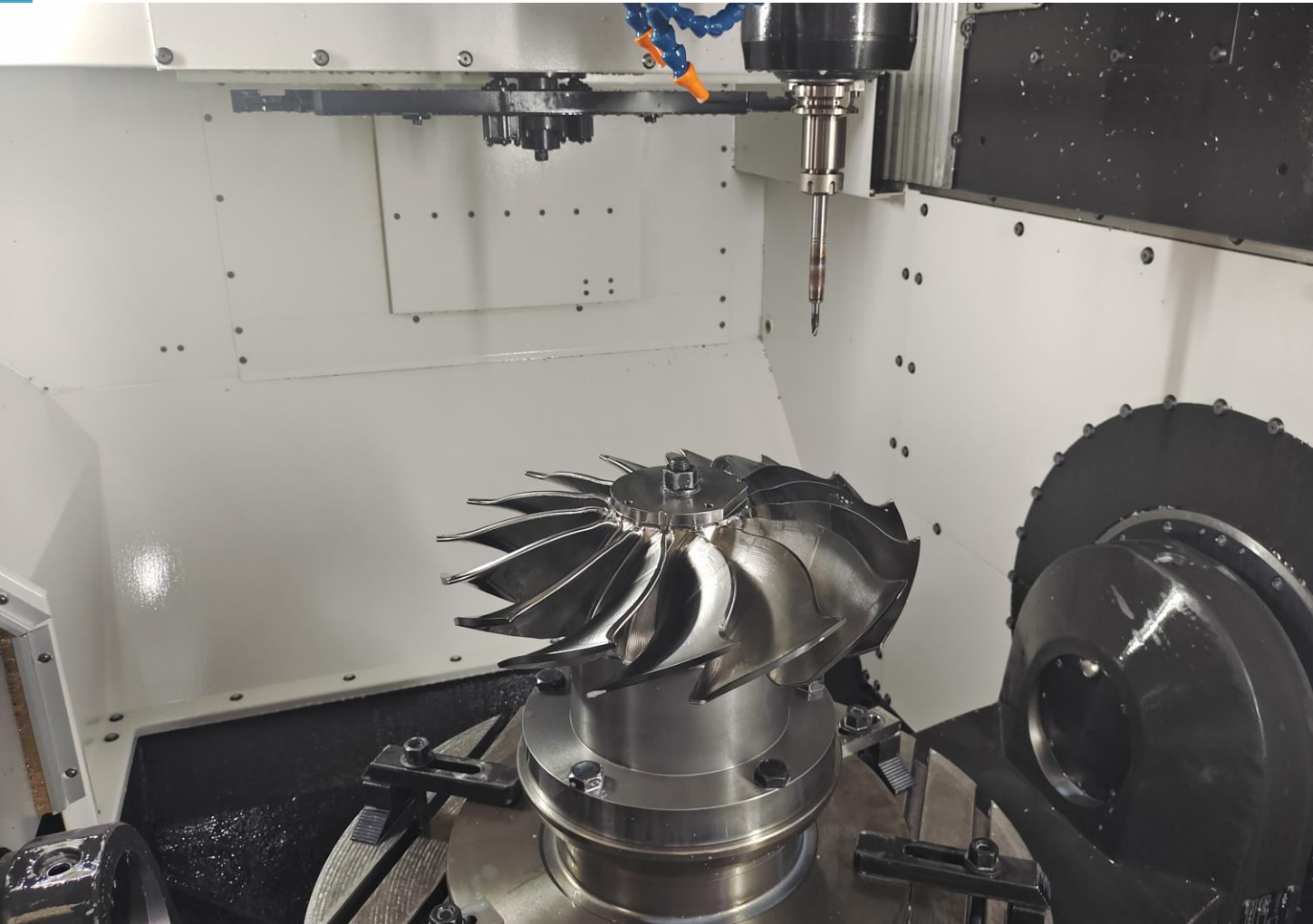
Standard and drawing-based bolts, nuts, washers, screws, studs, and special fasteners. Stock is not implied.

PURCHASING PARAMETER	TYPICAL SUPPLY BASIS
Products	Bolts, nuts, washers, screws, studs, wheel fasteners, specials
Materials	CP titanium and Ti-6Al-4V commonly reviewed; exact grade governs
Manufacturing	Cold or hot forming, machining, thread rolling or cutting as applicable
Threads	Metric, UNC, UNF, and drawing-specific forms
Finish	As-machined, polished, anodized color, or specified finish
Inspection	Material records, thread gauges, dimensions, visual inspection
RFQ	Drawing or standard, grade, thread, length, head, quantity, testing

Typical applications

Industrial assemblies, marine hardware, equipment, motorsport and specialty components

Titanium CNC Machined Parts



Drawing-controlled production

- CNC turning and milling
- Drilling, boring, threading, profiling
- Complex components and impellers
- Material route matched to the part
- In-process and final dimensional inspection
- Documentation package agreed before production

Tolerances, finish, deburring, cleanliness, marking, and special processes must be stated on the drawing or RFQ.

CNC Manufacturing Capability



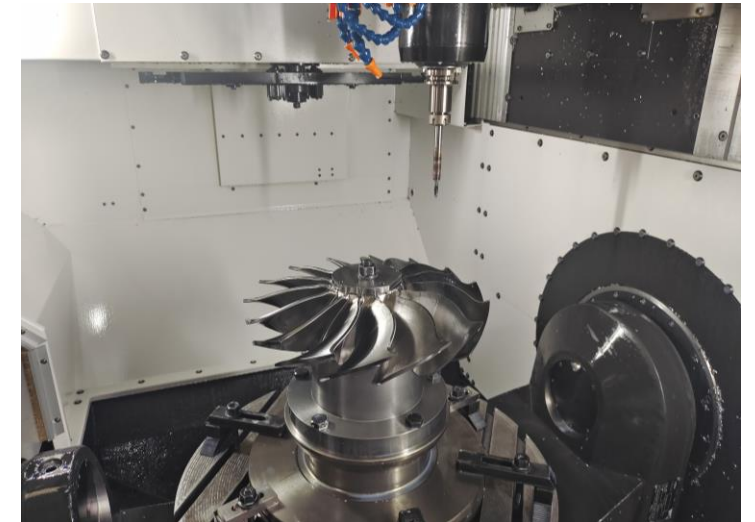
3-axis CNC

General milling, drilling, pockets, and profiles



4-axis routing

Indexed features and multi-face machining



5-axis routing

Complex surfaces and impeller-type geometry

Capability is routed through qualified manufacturing partners and confirmed after drawing review. Machine selection depends on geometry, tolerance, quantity, fixturing, inspection, and delivery requirements.

Custom Manufacturing From Drawings

Accepted technical inputs

PDF DWG DXF STEP STP IGES



Use the latest drawing revision. Identify critical dimensions, tolerances, surface finish, special processes, inspection level, and marking requirements.

Quality Control

国家钛材产品质量检验检测中心

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 Report No.

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陕西亿创钛锆检测有限公司
 Shaanxi Yichuang Titanium & Zirconium Metal Materials Test Co., Ltd.

检测报告 Test Report

委托单位 Consignor				委托日期 Consign date	2026.01.28
委托单位地址 Address				检测日期 Test date	2026.01.28-2026.01.29
样品名称 Sample name	钛锭	牌号 Designation	TA9	状态 Condition	
锭批号 Ingot Lot No	TGTA-009-2601015	规格 Size	Φ460mm	样品数量 Sample quantity	1
产品标准 Product standards		样品描述 Sample description		样品满足检测要求 The samples meet the requirement of testing	
热处理制度 Heat treatment		备注 Note			

化学成分 (Chemical Composition) w/%

试样编号 Sample No.	1	检测方法 Test methods
Fe	0.006	YS/T 1262-2018 GB/T 4698.14-2011 GB/T 4698.15-2011 GB/T 4698.7-2011
Pd	0.12	
C	0.005	
H	<0.0006	
N	0.006	
O	0.096	

备注 NOTE:分析方法下限: H: 0.0006%.

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审核 Auditor	[SIGNATURE]	批准 Approver	[SIGNATURE]
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报告日期: 2026.01.29

Inspection is defined by the order

- Material identity and certificate review
- Dimensions and tolerances
- Surface and visual condition
- Chemical composition and mechanical properties
- Ultrasonic testing where applicable
- Eddy current for specified tube routes
- Hydrostatic or pneumatic testing where applicable
- Third-party inspection when agreed

Material Documentation & Traceability

01	ORDER BASIS	Grade, product standard and revision, condition, dimensions, tolerances
02	MATERIAL IDENTITY	Heat or lot number linked to material and manufacturing records
03	TEST RESULTS	Chemical composition, mechanical properties, and agreed product tests
04	INSPECTION RECORDS	Dimensions, surface, NDT, photographs, or third-party release as required
05	SHIPMENT LINK	Product marking, packing list, certificate package, and export documents

Document scope and format must be agreed before production. Customer-specific templates are reviewed on request.

Industries & Applications

Chemical processing

Corrosion-resistant vessels, piping, heat-transfer parts

Marine

Seawater piping, desalination, hardware, and equipment

Industrial equipment

Pumps, valves, fasteners, shafts, and custom parts

Medical supply chain

Specified grades only with required approvals and documentation

Heat exchangers

Tube, sheet, plates, and fabricated components

Oil & gas / energy

Specified corrosion-service components and equipment parts

Aerospace supply chain

Material and machined parts only to customer-defined approvals

Automotive / motorsport

Fasteners, exhaust components, and lightweight custom parts

Industry names describe possible supply-chain applications. They do not imply aerospace, medical, or pressure-equipment certification.

Packaging & Export Delivery



Packing planned for the product form and route

- Surface and edge protection
- Moisture-resistant wrapping where required
- Bundles, pallets, or wooden cases
- Product and package identification
- Packing list and agreed export documents
- International freight coordination

Special packing, fumigation marks, lifting points, gross-weight limits, or destination requirements should be stated in the RFQ.

How to Request a Quote

- | | |
|-----------------------|-------------------------|
| ✓ Product form | ✓ Tolerance |
| ✓ Grade / alloy | ✓ Application / service |
| ✓ Standard + revision | ✓ Inspection / testing |
| ✓ Dimensions | ✓ Documentation |
| ✓ Quantity | ✓ Delivery destination |
| ✓ Condition / surface | ✓ Drawing + revision |

A complete RFQ shortens clarification time and supports a more reliable manufacturing route and quotation.

Product & Process Matrix

PRODUCT FORM	PRIMARY REFERENCE	COMMON PROCESS OPTIONS	ORDER FOCUS
Plate / sheet	ASTM B265	Cutting, grinding, polishing	T x W x L, flatness, surface
Bar / billet	ASTM B348/B348M	Peeling, turning, grinding	Diameter, straightness, allowance
Tube / pipe	ASTM B338 / B861 / B862	Annealing, pickling, end prep	OD, wall, length, test route
Wire	ASTM B863 / AWS as required	Drawing, straightening, spooling	Diameter, temper, cleanliness
Forgings	ASTM B381 / drawing	Forging, heat treatment, rough machining	Section, allowance, NDT
CNC parts	Drawing + material standard	Turning, milling, drilling, boring	Revision, tolerances, finish, inspection

Reference standards are examples. Product grade, edition, condition, dimensions, and contract requirements determine applicability.

TONGKE TITANIUM

Comprehensive Titanium Supply Solutions

TONGKE (CHINA) INDUSTRIAL

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Send your material specification or drawing for review.



SCAN FOR WHATSAPP