

MAIN PROCESSING EQUIPMENT



2.5 Tons VAR Vacuum Consumable Arc Furnace



7000 Tons Press Machine



1000MN Fast Forging Hydraulic Unit



Rolling Unit

MAIN TESTING EQUIPMENT



Diameter Measuring Eddy Current Testing Machine



Four Channel Ultrasonic Flaw Detector



Electronic Universal Testing Machine



O/NH Analyzer



▶▶▶ Only prioritize quality and make industry excellent products. Striving to be the leader in medical implantable titanium materials.



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CHANGZHOU BOKANG SPECIAL MATERIAL TECHNOLOGY CO., LTD



COMPANY INTRODUCTION

Changzhou Bokang Special Material Technology Co., Ltd. is a wholly owned subsidiary of Shenyang Zhonghe Jianhang Special Material, the parent company was founded in 2006, specializing in the research, development and production of high-end titanium alloys for 18 years, is located in Shenyang City, Liaoning Province, China. Changzhou Bokang was founded in 2017, supporting the parent company's product manufacturing. our company specializes in manufacturing titanium alloys for the medical, electronic, marine, and other high-end titanium alloy sectors. We have set American titanium alloy high-quality brand-name enterprises such as Carpenter, Perryman, and Fort Wayne Metals as our corporate role models. At present, we are able to provide stable performance, long fatigue life, good supply rate and after-sales service guarantee for our premium customers. Additionally, our company's product quality is at an advanced level in China, and our products meet the standards of global brand enterprises.

CERTIFICATE



CANS



ISO9001



ISO13485



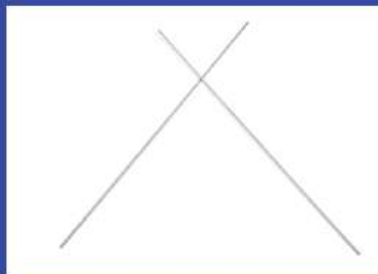
Invention Patent

PRODUCTS



Medical Titanium Bar

Grade: Gr1, Gr2, Gr3, Gr4, Gr5 (Ti-6Al-4V), Gr9 (Ti-3Al-2.5V), Gr23 (Ti-6Al-4V ELI)
 Standard: ASTM F67, ASTM F136, ISO5832-2, ISO5832-3
 Diameter(mm): 4.75-101.6mm
 Length(mm): 2800-3000
 Tolerance: h7, Customized to requirements
 Shape: Round
 Status: Annealed (M)
 Surface: Polished
 Advantages: High surface finish, eliminating secondary processing, small shrinkage and small expansion, good roundness and fine tolerance, high dimensional consistency and stable performance.



Medical Titanium Alloy Wire

Grade: Gr1, Gr2, Gr3, Gr4, Gr5 (Ti-6Al-4V), Gr9 (Ti-3Al-2.5V), Gr23 (Ti-6Al-4V ELI)
 Standard: ASTM F67, ASTM F136, ISO5832-2, ISO5832-3
 Diameter(mm): 0.1-4.75mm
 Length(mm): 2800-3000
 Tolerance: h7, Customized to requirements
 Shape: Straight wires, Coils, Spools
 Status: Annealed (M)
 Surface: Polished
 Advantages: High surface finish, eliminating secondary processing, small shrinkage and small expansion, good roundness and fine tolerance, high dimensional consistency and stable performance.



Medical Titanium Wire

Grade: Gr1, Gr2, Gr3, Gr4, Gr5 (Ti-6Al-4V), Gr9 (Ti-3Al-2.5V), Gr23 (Ti-6Al-4V ELI)
 Standard: ASTM F67, ASTM F136, ISO5832-2, ISO5832-3
 Diameter(mm): 0.1-4.75mm
 Length(mm): 2800-3000
 Tolerance: h7, Customized to requirements
 Shape: Straight wires, Coils, Spools
 Status: Annealed (M)
 Surface: Polished
 Advantages: High surface finish, eliminating secondary processing, small shrinkage and small expansion, good roundness and fine tolerance, high dimensional consistency and stable performance.



Medical Titanium Disc

Standards: ASTM F67, ASTM F136
 Grades: Gr1, Gr2, Gr3, Gr4, Gr5 (Ti-6Al-4V), Gr23 (Ti-6Al-4V ELI), Ti-6Al-7Nb
 Size: Disk: $\phi 98^*H$ mm, Square Plate: $\phi 150^*140^*H$ mm, Thickness: 10-25mm, can be customized according to drawings
 Surface: polished surface, polished surface
 Product advantages: high corrosion resistance, high strength, light weight, good biocompatibility, easy processing, long-term durability



Medical Nickel-Titanium Guide Needles

Medical Nitinol Guide Pins
 Grade: NiTi
 Standard: ASTM F2063-18
 Diameter(mm): $\phi 2.0$, $\phi 2.5$, $\phi 3.0$
 Tolerance: Customized
 Pulling force: >2KN
 Advantage: One-piece molding without welding

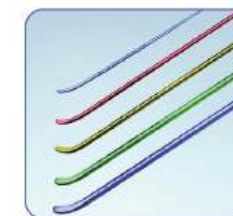
APPLIATIONS

Titanium and its alloys have many advantages for application as surgical implant materials, such as low density, high strength, good toughness, good biocompatibility, non-toxicity, low modulus of elasticity, good corrosion resistance, low X-ray absorption, etc., and thus occupies an increasingly important position in medical metal materials.

Dental implants: The use of titanium alloys in dental implants is gradually increasing. Titanium can be used for crowns, crown pins, fixed bridges, porcelain bridges, bonded bridges, denture clasps, abutments, connectors and reinforcements. Almost all metal parts of denture can be made of titanium.



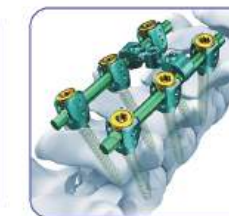
Orthopedic Implants: Titanium is widely used in orthopedic implants for internal fixation of bone fracture, artificial joint replacement, spinal fixation and orthosis, such as plates, screws, intramedullary nails, artificial joints and so on.



Elastic Intramedullary Nail



Knee Joint



Internal Spinal Fixation System

Surgical Instruments: Titanium alloys are used in surgical instruments including suture needles, surgical blades, minimally invasive surgical instruments, etc., which are popular among doctors due to their antimicrobial and corrosion-resistant properties.

