

GLOBAL HEADQUARTER

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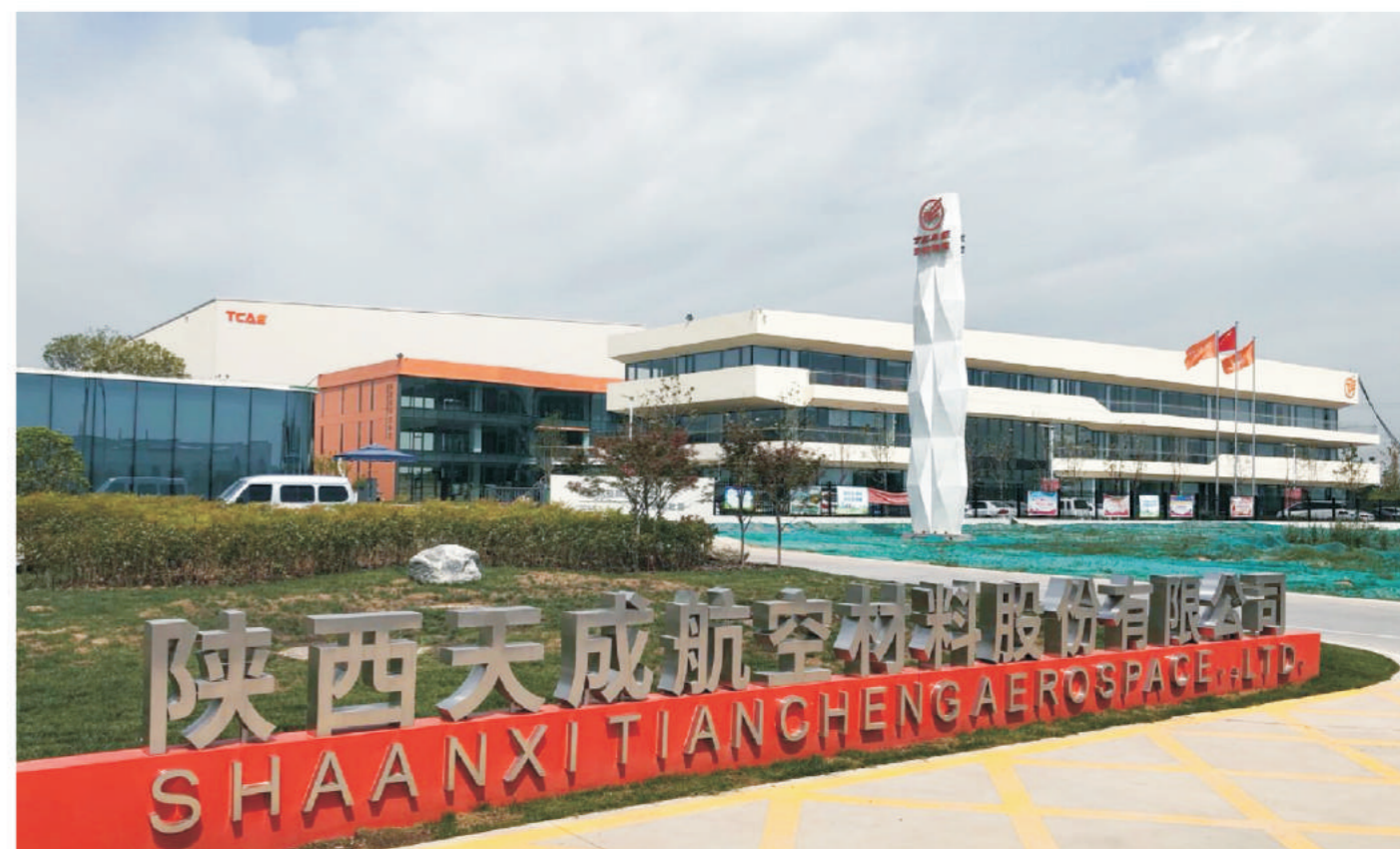
We supply products to basic industries, and penetrate into the global aerospace, medical, power generation, oil and gas industry, marine development and other fields. We provide competitive, safe, and reliable services and products to over 40 countries and regions. Sales and Technology Centers established in the U.S. and Germany, which has devoted to offer customers a timely and better service.

CORPORATE
BROCHURE

TC AEROSPACE

Leading Manufacturer
of Titanium

- In the field of Aerospace Coil and Rod, as well as Plate and Sheet, TC provides competitive, safe, and reliable services and products for the world.
- Founded in 2007, our company is a talent and technology based private joint-stock enterprise. TC is proudly supplying to over 40 countries and regions.
- Sales and Technology Centers established in the U.S. and Germany, which has devoted to promote the progress and development of aerospace and space industry through the research and application of the advanced materials.



COMPANY DEVELOPMENT



- 2019**
 - NEW MILLSTONE;
 - NEW FACILITY TAKE INTO OPERATION, INCLUDING EB FURNACE, 8000T FORGING PRESS AND KOCKS CONTINUOUS ROLLING MILL.
- 2018**
 - COMPANY NAME CHANGED TO "TC AEROSPACE";
 - TECHNICAL INNOVATION AND EXPANSION PROJECT WITH INVESTMENT OF 200 MIL. USD;
 - SUPPLY RAW MATERIAL TO GLOBAL AEROSPACE OEM MARKET.
- 2017**
 - APPROVED BY CHINA SPACE ENTERPRISE.
- 2016**
 - PARTICIPATE IN THE RESEARCH AND DEVELOPMENT OF NEW AERO ENGINE AND PASSED THE ACCEPTANCE;
 - EXPORT VOLUME TO RUSSIA RANKS No. 1.
- 2015**
 - ACCUMULATIVE PRODUCTION OVER 10,000 TONS;
 - BRANCH OFFICE IN EUROPE, TO PROVIDE CUSTOMER A TIMELY AND BETTER SERVICE.
- 2014**
 - AS 9100, ISO 14001, OHSAS 18001 CERTIFICATION;
 - BRANCH OFFICE IN NORTH AMERICA, WITH LOCAL INVENTORY GUARANTEE THE DELIVERY AND WAREHOUSING SERVICE
 - SUPPLY RAW MATERIAL TO AEROSPACE INDUSTRY.
- 2008**
 - PRODUCTION OF THE FIRST TITANIUM INGOT.
- 2007**
 - TC TITANIUM FOUNDED
- 1993**
 - TC GROUP

WHOLE PROCESS PRODUCTION LINE

Raw Material



- Automatic Mixing System
- Hydraulic Press-3500T、8000T
- Vacuum Plasma Welding Chamber

Forging



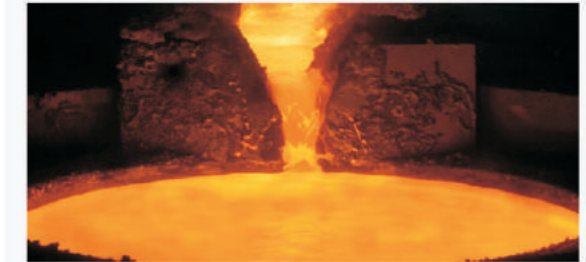
- Forging Press-8000T
- Forging Press-2000T
- Forging Press-800T

Surface Treatment



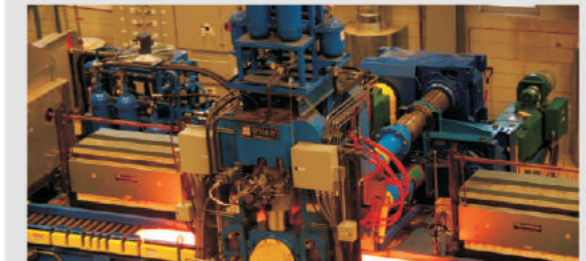
- Online Peeling, Polishing and Grinding Line

Melting



- EB Furnace-10T
- VAR Furnace-10T、6T、3T、1T

Rolling



- BD1350/BD850/BD600 Rolling Mill
- KOCKS continuous Rolling Mill

Inspection



- Fully Automatic Online High-speed Inspection Line
- Ultrasonic Flaw Detection System



STRIVE FOR PERFECT PRODUCTION REVOLUTION

THROUGH THE INNOVATIVE TECHNOLOGIES, PROCESS AND EQUIPMENT, WE MAKE THE PRODUCTION PROCESS SIMPLIFIED AND MORE EFFICIENT, CUSTOMERS CAN BE BENEFITED BY OUR PRODUCTION REVOLUTION.

- MAX. ROLLED BAR: 350MM
- YIELD: MAX. 90%
- LENGTH: MAX. 40M
- COST REDUCTION: 20-30%
- SIZE RANGE: Φ 1-500MM
- TITANIUM COIL WEIGHT: 200KG



EB+VAR ALLOY INGOTS



PRODUCTION FROM INGOT TO WIRE& ROD WITHIN 24HOUR



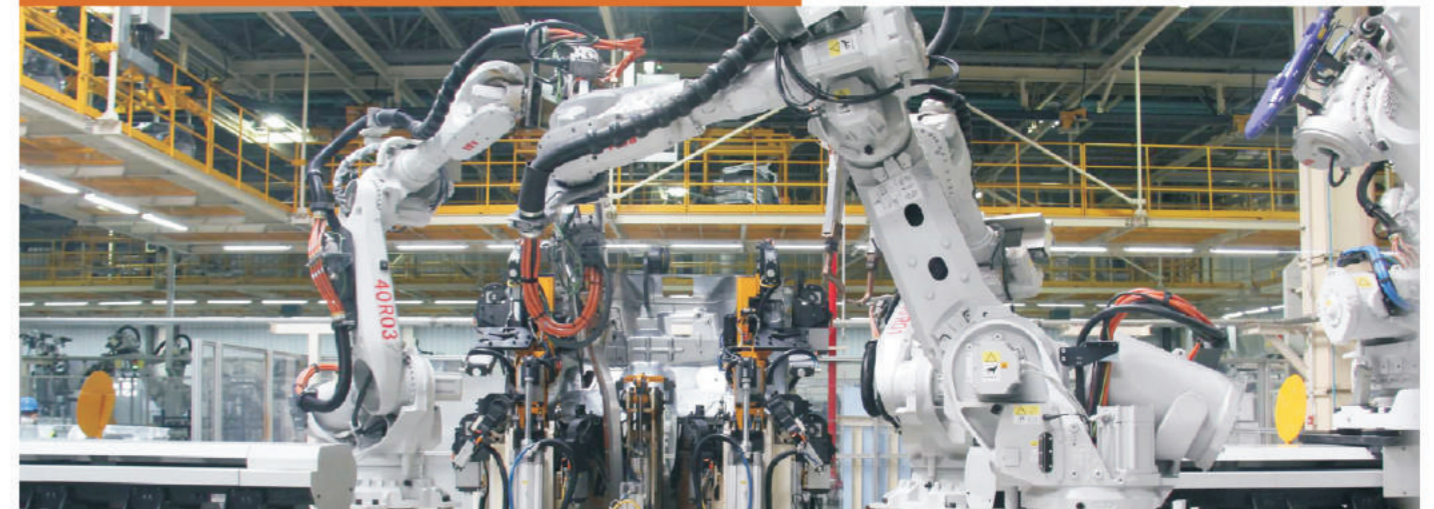
0.1mm HOT ROLLING ACCURACY, HIGH PRECISION OF "h6"



ONLINE MONITORING, DYNAMIC ADJUSTMENT



90% DEVICES INTELLIGENTLY CONNECTED AND CONTROLLED



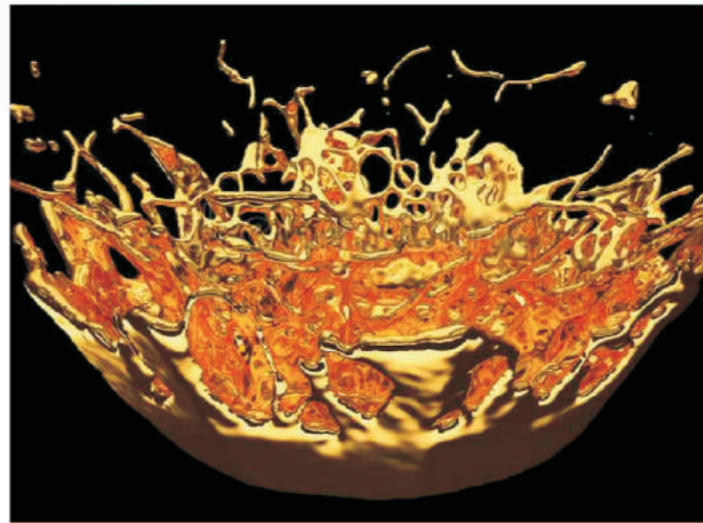
90% OF PROCESSES WITH AUTOMATED PRODUCTION

SCIENCE & TECHNOLOGY PIONEERING INTELLIGENCE ORIENTED

TRADITIONAL MANUFACTURING COMBINED WITH ADVANCED INTELLIGENT TECHNOLOGY, TO MAKE INFORMATIZATION AND INTELLIGENCE RUN THROUGH THE WHOLE PROCESS, WITH MATCHING OF MATERIAL, PERSONNEL, EQUIPMENT AND PROCEDURE.

COMPREHENSIVELY ENHANCEMENT AND BREAKTHROUGH THREE QUALITY ASPECTS

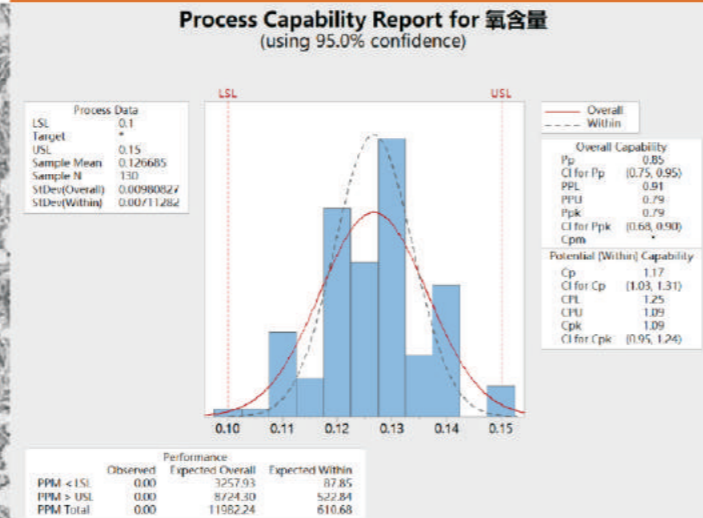
THE PRODUCT QUALITY NOT ONLY MEET THE SPECIFICATION STANDARD, EITHER FOR AEROSPACE OR FOR CIVIL PRODUCTS, WE WILL BREAK, THROUGH THESE THREE INSURMOUNTABLE OBSTACLES.



HIGH PURITY



HIGH HOMOGENEITY



HIGH CONSISTENCY

INTERGRATED CONTROL AND OVERALL MANAGEMENT SAFETY FIRST

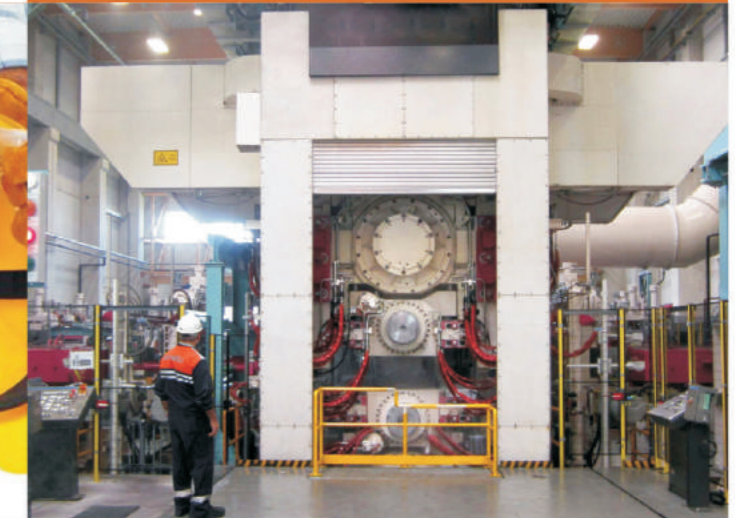
- "SAFE PRODUCTION" IS OUR FIRST PRIORITY
- FROM THE FACTORY DESIGN, PRODUCTION LAYOUT, EQUIPMENT SELECTION AND EHS MANAGEMENT. TC REDUCED THE MANUFACTURING RISKS SIGNIFICANTLY



COMPREHENSIVE SAFETY MANAGEMENT



COMPREHENSIVE SAFETY
OPERATION PROTECTION



ACTIVE AND PASSIVE SAFETY
PROTECTION FOR OPERATION

ENVIRONMENTAL PROTECTION ENERGY SAVING AND EMISSION REDUCTION

THE PURSUIT OF ECOLOGICAL EFFICIENCY IS OUR MISSION AND THE PREMISE OF ALL OUR PRODUCTION AND MANAGEMENT ACTIVITIES



ENERGY CONSUMPTION REDUCED 60%



50% ELECTRICITY FROM CLEAN ENERGY SOURCES



NO EMISSIONS DISCHARGE



ENVIRONMENT INTELLIGENTLY MONITORED



OVERALL DUST REMOVAL AND SMOG REDUCTION

PEOPLE ORIENTED TALENTS MOTIVATION LONG-TERM IMPROVEMENT PLAN

WE REGARD TALENTS AS THE CORE ELEMENTS OF ENTERPRISE DEVELOPMENT, WITH OFFERING DEVERSIIFIED REALIZATION AND IMPROVEMENT PLAN UNDER ORGANIZATION CULTURE AND MANAGEMENT.



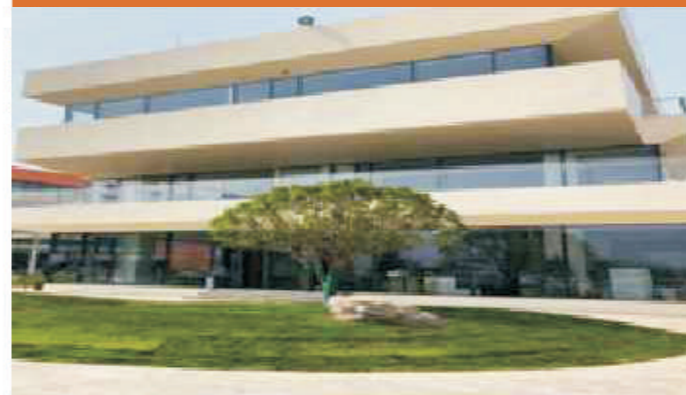
COMFORTABLE WORKING ENVIRONMENT



FULLY REALIZE THE INDIVIDUAL VALUE



COMPENSATION AND BENEFITS GUARANTEE



GARDEN FACTORY



TRAINING AND IMPROVEMENT PLAN

ADVANCED MATERIALS LABORATORY R&D



The laboratory implements a complete inspection platform, enable us to focus on the product quality and consistency, and strictly control the inspection process to ensure material traceability.

It is committed to create continuous value for customers and partners, focus on high-end requirements, to maintain industry advantages.

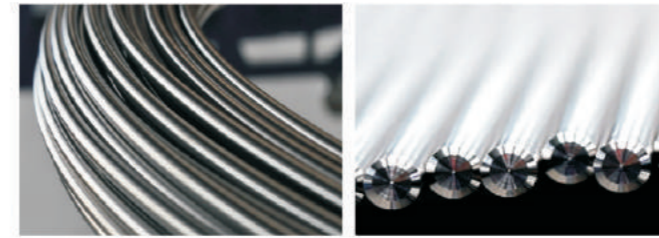
Complete facilities and professional personnel provides a favorable condition and environment for research and development of the material and technology innovation.

Approvals

AS 9100D, ISO 9001, ISO 14001, OHSAS 18001 and other customer approvals.



TITANIUM COIL AND ROD



SIZE RANGE: ϕ 1.0mm-15mm

TOLERANCE: h6, acc. to specification requirement, industry standard and customized.

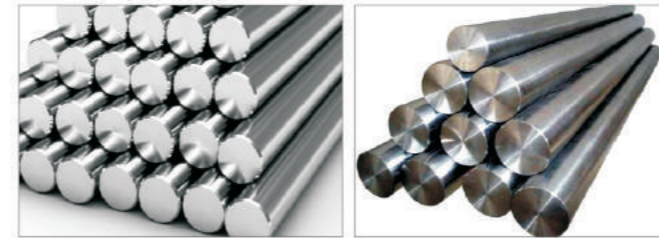
ALLOYS: Ti6Al4V, Ti6Al4V Eli, Ti15333, Ti422, Other alloys available upon request

SPECIFICATION: AMS4928 AMS4965 AMS4967

PACKAGE: Coil Diameter ϕ 800-950mm
Coil Weight 45kg-200kg

Titanium Alloys for Aerospace Fastening System and Additive Manufacturing.

TITANIUM BAR AND BILLET



SIZE RANGE: ϕ 10mm-500mm

LENGTH: Generally 3000-6000mm, max. 12000mm or customized

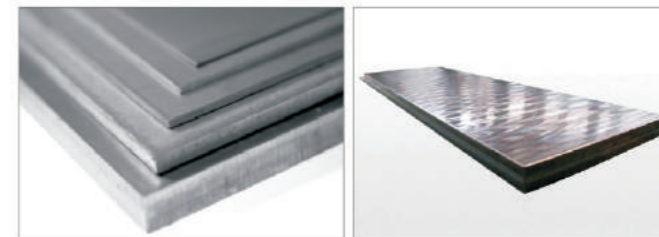
TOLERANCE: (10.0-12.0mm \pm 0.012mm) (12.1-25.0mm \pm 0.025mm) (25.1-50.0mm \pm 0.050mm) (50.1-100mm \pm 0.076mm) Dia. > 100mm acc. to AMS 2241 or customized.

ALLOYS: CPTi, Ti6Al4V, Ti6Al4V Eli, Ti3Al2.5V, Ti6246, Ti6242, Ti662, Ti38644, Other alloys available upon request

SPECIFICATION: AMS 4928, AMS 4963, AMS 4965, AMS 4967, AMS 4930, AMS 4931, AMS 4931, MIL-T 9047, WL3.7164/2, BS3TA11, AMS 4957, AMS 4958

Titanium Alloys for Aerospace Structure.

TITANIUM PLATE



SIZE RANGE: 85.0mm-120mm

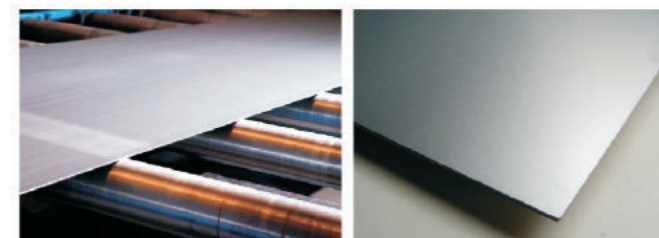
TOLERANCE: Acc. to specification requirement, industry standard and customized.

ALLOYS: CPTi, Ti6Al4V, Ti6Al4V Eli, Other alloys available upon request

SPECIFICATION: AMS 4911, MIL-T 9046, WL3.7164/1, BSTA10

Titanium Alloys for Aerospace Structure and Additive Manufacturing.

TITANIUM SHEET



SIZE RANGE: 80.5mm-4.75mm

TOLERANCE: Acc. to specification requirement, industry standard and customized.

ALLOYS: CPTi, Ti6Al4V, Ti6Al4V Eli, Other alloys available upon request

SPECIFICATION: AMS 4911, MIL-T 9046, WL3.7164/1, BSTA10

Titanium Alloys for Aerospace Structure.

