



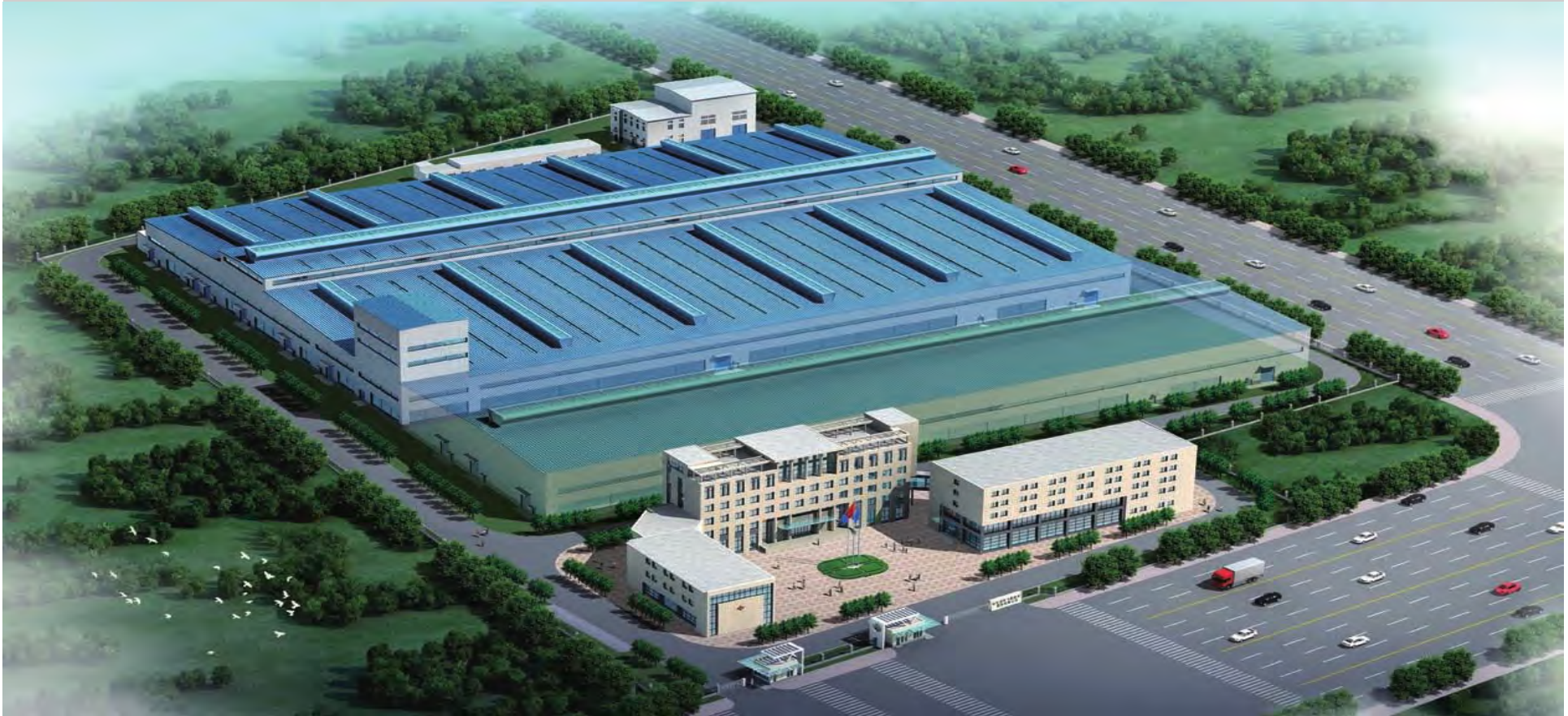
KLIFTING INDUSTRIAL CO., LTD.





Company Overview

Factory





Equipment

Production Equipment



15T rectangular gas-fired
aluminum melting furnace

We have more than 360 million CNY existing fixed assets, including two reverse double-action extrusion production lines of 75MN and 25MN, 15T and 5T aluminum melting furnaces, forging presses, soaking furnaces, aging furnaces, vertical quenching furnaces, tension stretching machines, straightening machines, and 280 sets of machining equipment, such as Haas VF5D/4D vertical machining centers, DT-1 drilling and tapping centers, Mikron Lijia HEM800/1000 vertical machining centers, gantry machining centers, and horizontal machining centers. The company's technology center is equipped with more than 30 sets of experimental testing equipment, such as Shimadzu photoelectric direct-reading spectrometer, metallographic microscope, fatigue testing machine, and universal testing machine. Some of the equipment has reached the advanced level in the same industry in China, and we have got the scientific research, production and testing capabilities of aluminum-magnesium alloys.



Equipment



5 tons of electric heating rectangular aluminum melting furnace



Soaking furnace group



French Novelis degassing device



Equipment



75MN Reverse Double Action Extrusion Line



25MN Reverse Double Action Extrusion Line



Equipment



Vertical Air Circulation Quenching Furnace

We have strong technical force and a high-quality workforce. There are more than 300 employees, including 24 with senior professional titles, 45 with intermediate professional titles, and 6 major technical leaders. The average age is 37 years old. It is a vigorous and combative team. The main backbone personnel have many years of rich experience in the production of materials and parts in the field of special aluminum alloy, nuclear industry, and military industry. In terms of quality management, we have passed the GJB9001C-2017 national military standard quality management system certification, and established a complete quality management control process, which provided a reliable quality assurance for the company to further develop the market.



Equipment



4.5MN Tension Straightener



Roller Straightener



Equipment



Aging Furnace



Forging Machine



Equipment



Compound Machining Center



Machining Center



Technology Center



Qifa Machining Center



Gantry Milling



Vacuum Brazing Furnace

Our technology center is a provincial enterprise technology center and an important part of the company's innovation system. It has a team specializing in the research and development of new technologies, new processes and new products for aluminum alloy processing. The laboratory is equipped with high-end equipment required for physical and chemical testing of aluminum alloy materials. The inspectors are experienced, including 4 with senior professional titles, with 30 years of relevant inspection experience. The laboratory consists of a machining room, a performance room, a metallographic and heat treatment room, an analysis room, and a non-destructive testing room.



Technology Center - Spectral Chamber



Photoelectric direct reading
spectrometer PDA-8000

The chemical laboratory includes: water making room, balance room, preparation room and chemical hall. Main equipment: Mei-Too XS205 analytical balance, Plifill atomic ultrapure water machine, DDS-11D conductivity meter, etc., mainly analyze high-component elements such as copper, magnesium, zinc, etc. in 2XXX, 5XXX, 7XXX aluminum alloys;

The spectroscopic room is equipped with Shimadzu photoelectric direct reading spectrometer PDA-5500S and PDA-8000, which are used to analyze the content of each element in the aluminum alloy.



Technology Center - Performance Room



Main configuration: WDW-20E, WDW-100E microcomputer-controlled electronic universal testing machine, SDS100 electro-hydraulic servo fatigue testing machine, THB-3000E electronic cloth hardness tester, etc., which can perform mechanical property testing, Brinell hardness testing, and fatigue performance testing.

Microcomputer controlled electronic universal testing machine



Technology Center

- Metallographic and Heat Treatment Room



Metallographic Microscope

Main configuration: acid-base washing and ventilation equipment, YH32-63 four-column hydraulic press, YM-2A metallographic pre-grinder, PG-2A metallographic polishing machine, metallographic sample electrochemical polishing equipment, XJL-03 gold Phase microscope, WHG-3F box-type quenching furnace, DL-101-1BS box-type aging furnace, etc., which can be used for aluminum alloy materials' low-magnification structure detection, microstructure detection, heat treatment test, etc.



Technology Center - Nondestructive Testing Room



US GE Universal USN60 Ultrasonic Flaw Detector



Germany Horst SIGMATEST2.069 Portable Conductivity Measuring Instrument

Main configuration: USN60 ultrasonic flaw detector, SIGMATEST2.069 portable conductivity measuring instrument, which can perform flaw detection and conductivity detection of aluminum alloy products.



Product



- Aluminum and aluminum alloy extrusion, drawing and rolling seamless pipes: used in aerospace, aviation, heavy truck drive shafts, new energy vehicles hydrogen storage bottles, air separation and other industries.



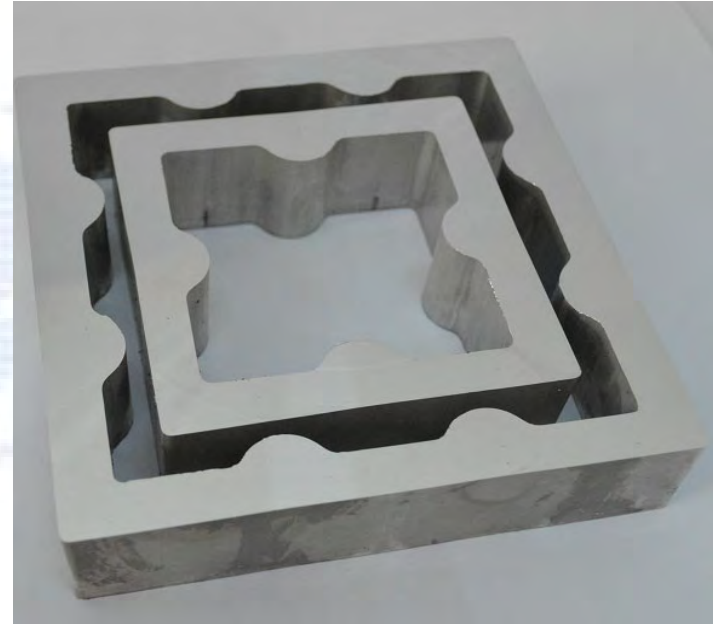
- 5051A、 5052、 3003、 3A21
Aluminum alloy seamless flat tube for rigging



Product



- High-strength, weldable marine pontoon extruded profiles



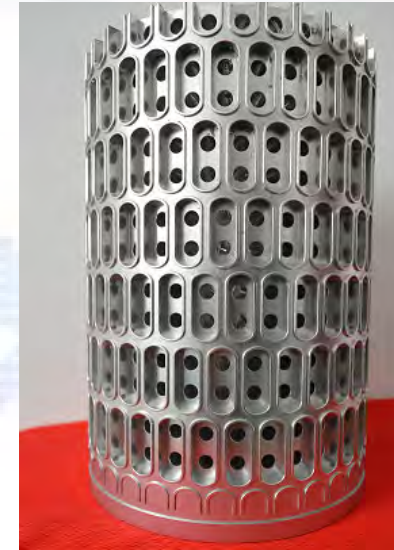
- High-strength, high-toughness seamless hollow structural profiles



Product



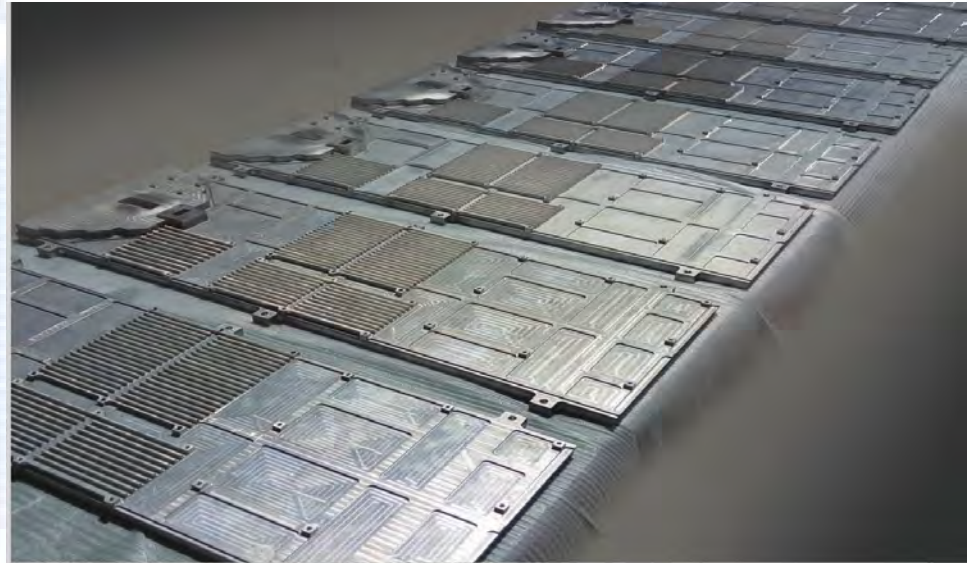
- Extruded wire blanks for welding wire and rivets



- High-strength aluminum alloy rods for machining



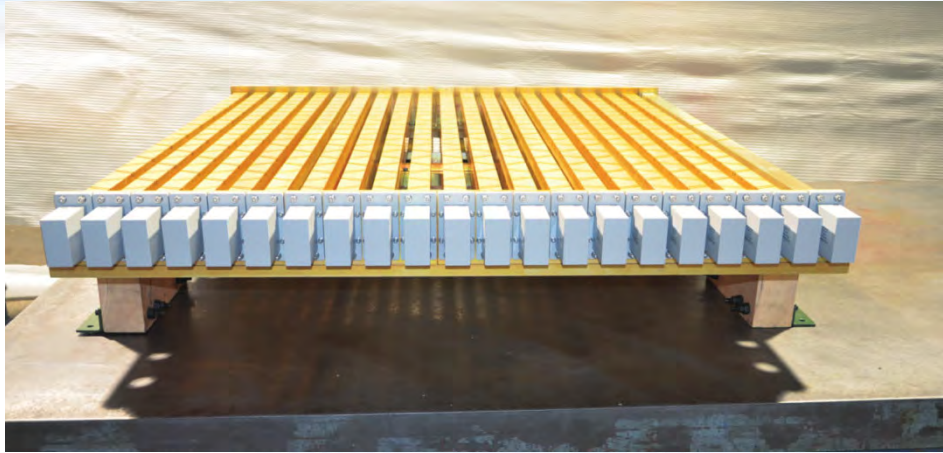
Product



- Aluminum alloy sheet and processed products



Product



➤ Aluminum alloy processed products



Product Specifications

Tubes

Aluminum Alloy	State	Inner Diameter (mm)	Wall Thickness (mm)	Inner Diameter (mm)
6061 6063 6101B 6082 6A02	O、H112、T6、T6xx	Φ6~Φ300	≥1	Φ4~Φ240
5052 5083 5A05 5A06 5056 3A21 3003	O、H112、HX2、HX4、HX8			
2A11 2A12 2024 2017	O、H112、T4、T351			
2014 2A14 2A70 2A50 2618 2618A 7A04 7075 7050 7068 7003 7005	O、H112、T6、T6xx			



Product Specifications

Rods

Aluminum Alloy	State	Round (mm)	Square (mm)	Hexagonal rod inner circle (mm)	Width / Thickness mm	Thickness (mm)	circum circle (mm)
3A21 3003	O, H112	Φ14~ Φ300	14×14~ 200×200	Φ14~Φ260	≤30	≥3.0	30~300
6061 6063 6101B 6082 6A02	O, H112, T6, T6xx						
5A02 5A03 5A05 5A06 5052 5083 5086 5056 5356	O, H112						
2A11 2A12 2017 2024	O, H112, T4, T351	Φ20~	20×20~	Φ20~Φ260	≤20	≥4.0	30~300
2014 2A14 2A70 2A50 2618 2618A 7A04 7A09 7075 7050 7003 7005	O, H112, T6, T6xx	Φ300	200×200				



Product Specifications

Profiles

Aluminum Alloy	State	cross-sectional area	Thickness (mm)	circum circle (mm)
3A21 3003	O、H112	≥16	≥3	30~300
6A02 6061 6063 6101B 6082	O、H112、T6、T6xx			
5A02 5A05 5A06 5052 5056 5083	O、H112	≥32	≥4.5	30~300
2A11 2A12 2017 2024	O、H112、T4、T351			
2A14 2A70 2A50 7A04 7075 7050 7003 7005 2618	O、H112、T6、T6xx			



Product Specifications

Forgings

Aluminum Alloy	State	Die forgings			Free forging		
		Projection area (cm ²)	Thickness (mm)	Min. Thickness (mm)	Length (mm)	Width (mm)	Thickness (mm)
5A02 5A03 5A06	O、 H112	20~400	20~150	5	20~500	20~300	20~150
2A11 2A12 2A14	T4						
6A02 2A50 2A50 2A70 2A14 2219 2A16 2A17 4A11 4032 7A04 7A10 7075 7050	T6						



Environmental protection equipment



Casting dust removal device

Our company invested more than 10 million yuan to build a domestic sewage treatment station, an acid-base wastewater treatment station, an acid-base mist treatment tower, and a dust removal device for the melting and casting production line, so that the production sewage, acid-base wastewater, acid-base mist and soot with excessive dust concentration can be collected, treated and purified. After reaching the standard, they will be discharged into the municipal sewage pipe network and the atmosphere.



Environmental protection equipment



Acid-base mist treatment tower



Acid and alkali wastewater treatment station



Honors and Qualifications



Our company is a national high-tech enterprise, the top 100 aluminum processing enterprises in China in 2016, and the vice chairman unit of the China Nonferrous Metals Council. We were included in the list of qualified suppliers of the Nuclear Industry Group and the list of excellent suppliers of China Electronics Technology Group in 2016.

We have a provincial-level enterprise technology center, which has passed the certification of GJB9001C-2017 national military standard quality management system, and have established a complete technological innovation system and quality management system. We have 10 core technologies for the production of high-performance aluminum alloy materials, 27 utility model patents, and 9 invention patents.



Thanks!