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COMPANY PROFILE

- Nowadays we have been the largest industrial aluminum extrusion manufacturer in Asia and the second largest in the world
- We are principally engaged in the production of high precision, large-section and high value-added industrial aluminum extrusion products
- Our products are widely used in transportation, machinery equipment and electric power engineering sectors





Our Philosophy: achieve prosperity through cultivating loyalty and dedication

Our Belief: pursue excellence for a promising future

Our Mission: be and continue to be a world class producer and developer of industrial aluminum extrusion products

Our Values: create values for customers, offer growth and development opportunities to employees, and undertake the CSR

Plants introduction

Billet Casting



We have imported 25 / 63 tonnage smelting furnaces, homogeneous furnaces and cooling equipment from GNA ALUTECH, Canada; online degassing equipment from NANO METEC, Korea; and casting equipment from ALMEX, USA, which are capable to produce all sizes of aluminum alloy billets from 1xxx to 7xxx with the max diameter of Ø582mm×7.5m.

By adopting the up-to-date processes of electromagnetic stirring, online degassing, Ceramic filter, etc., the casted aluminum billets have the advantages of thinner coarse grain layer, super low hydrogen content and high cleanness, which provide stable performance for the production of high precision aluminum profiles.

Die Production

We have 89 engineers, over 300 senior mechanics, and about 200 die production equipments, including several world advanced automatic equipments from Germany, Switzerland, etc., which make us capable of developing and producing 200,000 sets of all sizes of dies ranging from Ø120*70 to Ø1250*600 per year.





We have 93 extrusion presses including the tonnage of 5MN to 125MN, which make our annual capacity reach 800,000 tons. And we are capable of producing high quality bars, tubes and large-size and complex section profiles from 1xxx to 7xxx alloys, which are used in all kinds of fields.

Equipment Facility



Extrusion Presses



World largest 125MN Extrusion Press

Billet Cutting

Billet Heating $480 \pm 40^{\circ}$ C

Die Heating $460 \pm 40^{\circ}$ C Billet Container Heating $400-450^{\circ}$ C



Profile Extruding

Uniform speed dragging

Stretcher leveling under 50 ℃ Stretch rate≤1.5% Waiting for age hardening $(175\pm5^{\circ}C \times 8 \text{ hours})$ after cutting

Surface Treatment

We own 36 world first-class surface treatment production lines, which are able to produce many kinds of surface treatment according to customers' requirements, including anodizing, electrophoresis, mechanical polishing, powder coating, fluorocarbon (PVDF) coating, wood effect, etc.





Powder Coating Horizontal Line from ITW Gema AG, Switzerland Polishing Machine from Spain



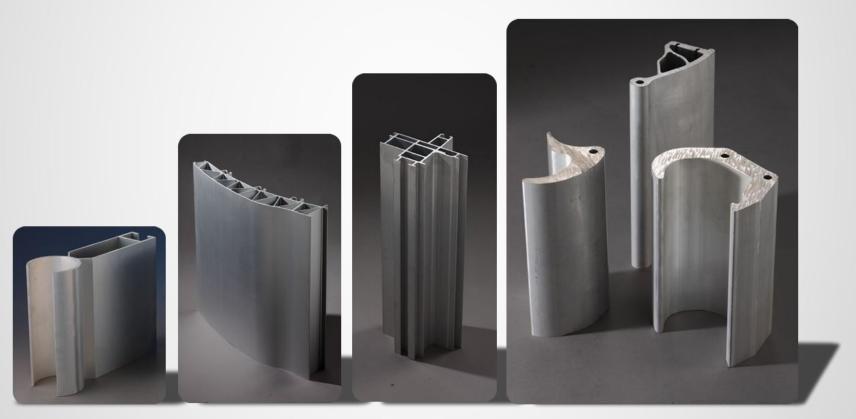
High Voltage Electrostatic Powder Coating Vertical Line from Italy

R&D Center

The R&D Center of

our company is of the provincial level engineering technology with 253 senior R&D personnel, including several foreign engineers. We have imported over 100 world advanced testing equipments from Germany, USA, Switzerland, Israel, Japan, etc. We focus on the research and development of alloy composition and the testing for all kinds of raw materials and finished products.

Aluminum product section



Curtain wall corner profile,6063-T6

profile for side wall and roof side rail of CRH3-380A, Chinese high-speed train Crossbeam profile,6063-T6 electric power engineering sector

Involved fields

Aluminum Solutions

Vessel Aviation Rail Transportation Power & Electronics Automobile Manufacturing



Vessel

2007, we won the certification of Det Norske Veritas, one of the world leading classification societies. We have cooperated with many shipbuilding enterprises, and supplied 5083, 5383, 6061, 6082 aluminum profiles successfully for Australia Shipyard, South Korea SAMGONG Co., Ltd., etc.

Aviation

In the aircraft industry, we are invited to participate in China's large aircraft projects materials research and development work, and breakthrough progress has been made; Zhongwang people are actively exploring and working hard studying in the field of aerospace, and hope to develop more high quality new materials through unremitting efforts for the Chinese aerospace industry.

Rail Transportation

2008, we won the French Alstom's certification accepted by the Ministry of Railways. Soon after, we established strategic partnership with China CNR Corporation and China Southern Railway Group, and take active part in the R&D for China new generation high speed train, Iran subway, Tianjin subway, etc. We also provided 6005、6005A、6082 Al-Mg-Si series of aluminum profiles used for vehicles with superior quality for the European project of Alstom.





We were certified by the Ministry of China Railways as one of the few qualified suppliers

to provide freight cargo and passenger carriage extrusion profiles.

Power & Electronics



Automobile Manufacturing

The 6082 (AI-Mg-Si series) aluminum auto structural profiles and the bars used for forging produced by our company are used by many auto parts suppliers. The structural profiles include: automotive frame profile, hollow profiles used for the side car bodies, profiles for gate and wallboard, structural profiles for car bodies, basic framework profiles for car bodies, bus frame profiles, bus ceiling water proof profiles.



Actual project cases

We have cooperated with many domestic and overseas construction units, curtain wall companies, and doors and Windows enterprises, and the aluminum profiles we produced have been chosen by many national k e y large-scale construction projects.







ISO 9001
America AAMA Authorization
Europe Qualicoat Authorization
Certificate of Det Norske
Veritas (DNV)
TS 16949 Auto Aluminum Profile Certification
CNAS National Level Lab Accreditation Certificate
IRIS Certificate for Aluminum Alloy Structural Profiles

Certifications



Clean Energy

