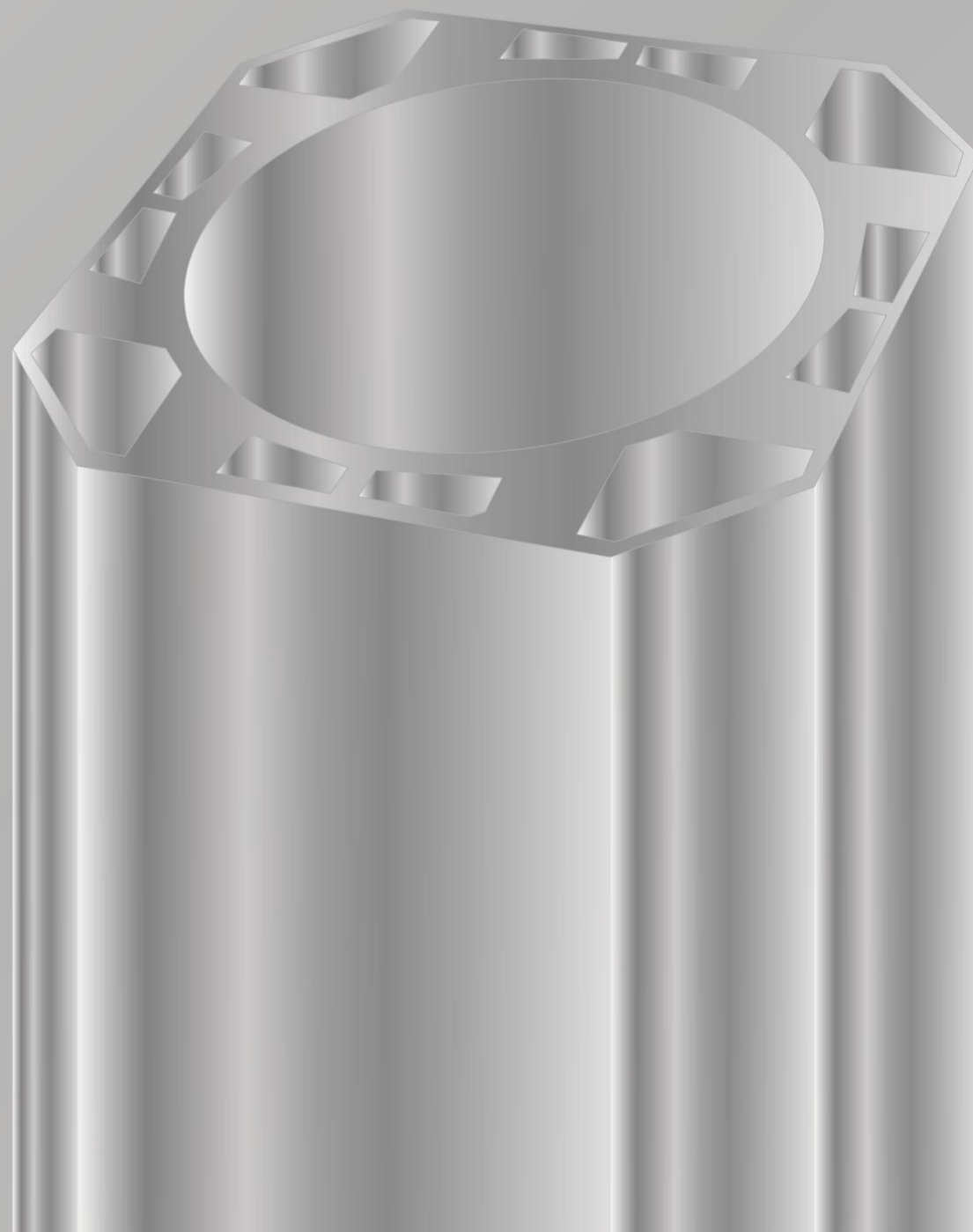




2025年7月版

BROCHURE OF INDUSTRIAL ALUMINIUM PROFILES 工业铝型材画册



广东坚美铝型材厂(集团)有限公司

Guangdong JMA Aluminium Profile Factory (Group) Co., Ltd.

佛山坚美铝业有限公司

Foshan JMA Aluminium Co., Ltd.

地址: 广东省佛山市南海区狮山镇小塘南海有色金属产业园

Add: Nonferrous Metal Industrial Park, Taoyuan West Road, Shishan Town, Nanhai District, Foshan, Guangdong Province

邮编(Zip): 528231

电话(Tel): 86-757-85558828

传真(Fax): 86-757-85550238

网址(Website): <http://www.jma.cn> <http://www.jianmei-alu.com>

电子邮箱(E-mail): sales@jma.cn jmmaster@jma.cn dd@jma.cn

制定行业
标准 **110⁺**
More than **110** items of Industrial standards have been formulated

拥有
专利 **1000⁺**
More than **1,000** patents

产品销售
覆盖全国 **30⁺**
Have been sold in more than **30** provinces nationwide



BRAND
品牌



INNOVATION
创新



HARMONY
和谐



WIN-WIN
双赢

公司简介 COMPANY PROFILE

坚美使命是为中国和世界高端建筑与重要装备提供高质量和人性化的专业铝材产品与服务。向工业铝制品及工业产品发展是公司转型创新的重大战略目标。

铝以其资源丰富、性价比高、重量轻、强度高、易加工、耐腐蚀性强、导电导热好、能循环回收再用、节能环保等优点，在全球已被广泛应用在航空航天、电子通讯、轨道交通、汽车、船舶、光伏太阳能、军工装备、石油化工等工业领域；近年，国家相关部门积极倡导“以铝代钢、以铝代铜、以铝代塑、以铝代木”等，加大加快了铝在各工业领域的应用。

坚美从2010年开始成立了工业铝合金产品研究院，聘用了20多名包括欧洲、日本及国内专家进行全面的研发与管理。同时，还全面提升配置了国际先进的铝合金熔铸、模具、挤压、表面处理的生产设备和检验、检测设备，为工业铝制品发展奠定坚实的基础。

坚美铝业已是建筑铝产品的杰出品牌，也誓言为中国和世界高端工业装备提供一流的产品和服务。

JMA's mission is to provide high-quality and humanized professional aluminum products and service for high-end buildings and important equipment in China and the world. The development of industrial aluminum products and industrial products is a major strategic goal of the company's transformation and innovation. Aluminum has been widely used in aerospace, electronic communications, rail transportation, automobiles, ships, photovoltaic solar energy, military equipment, petrochemical and other industrial fields worldwide due to its rich resources, good values, light weight, high strength, easy processing, strong corrosion resistance, good electrical and thermal conductivity, recyclable, energy saving and environmental protection. In recent years, relevant departments of the state have actively advocated "replacing steel with aluminum, copper with aluminum, plastic with aluminum, wood with aluminum" and so on, accelerating the application of aluminum in various industrial fields. JMA has established the Industrial Aluminum Alloy Product Research Institute since 2010, and more than 20 experts including European, Japanese and domestic experts have been engaged in comprehensive research and development and management.

Moreover, JMA has also been fully equipped with internationally advanced production equipment for aluminum alloy melting and casting, dies, extrusion and surface treatment, as well as inspection and testing equipment, laying a solid foundation for the development of industrial aluminum products. JMA is already an outstanding brand of architectural aluminum products and has vowed to provide first-class products and services for high-end industrial equipment in China and the world.

坚美铝产业链：



共建可持续发展生态圈，打造多元化产业链

Jointly build an ecosystem for sustainable development, and construct a diversified industrial chain.



发展历程 DEVELOPMENT HISTORY

1993

· 坚美铝材厂成立;
· JMA Aluminum Factory Established;

2000

· 成为全国质量效益型生产企业;
· Become the national quality benefit production enterprise;



2004

· 荣获中国名牌产品;
· 取得国家有色金属协会评定“产品达到国际实物质量水平”金杯奖;
· 被广东省工商局认定为广东省著名商标;

· Won the award of China's famous brand products;
· Won the gold cup award of "products reaching international physical quality level" assessed by the national nonferrous metals association;
· Recognized as a famous Trademarks in Guangdong Province by Guangdong Administration for Industry and Commerce;



2007

· 荣获中国节能产品认证;
· 成为广东省认定企业技术中心;
· 被中华商标局评为最佳创建品牌企业奖2007(大中华区);
· “坚美”商标被国家工商总局认定为中国驰名商标;
· 再次获得中国名牌称号;

· Won the certification of China's energy-saving products;
· Become Guangdong Province to recognize the enterprise technology center;
· Awarded the Best Brand Enterprise Award 2007 (Greater China) by the China Trademark Office;
· "JMA" Trademarks was recognized as China's Famous Trademarks by the State Administration for Industry and Commerce;
· Once again won the title of China's Famous Brand;



2011

· 荣获铝型材十大最具影响力品牌号;
· 国家火炬计划重点高新技术企业;

· Won the top ten most influential brands of aluminum profiles;
· Key high-tech enterprises in the National Torch Plan;



2013

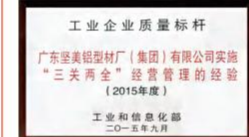
· 全国工业品牌培育示范企业;
· ISO 28340:2013国际标准研制创新示范基地;
· GB 5237《铝合金建筑型材》国家标准研制创新示范基地;
· 全国铝合金型材产业知名品牌创建示范区十大骨干企业;

· The National Industrial Brand Cultivation Demonstration Enterprise;
· ISO 28340:2013 International Standard Research and Innovation Demonstration Base;
· National Standard Research and Innovation Demonstration Base of GB 5237 "Aluminum Alloy Extruded Profiles for Architecture";
· Top 10 Key Enterprises in Demonstration Zone Established by Famous Brands of Aluminum Alloy Profile Industry in China;



2015

· 被工信部评为“工业企业质量标杆”单位;
· 获评为全国有色金属工业卓越品牌;
· Rated as the "Quality Benchmark of Industrial Enterprise" by the Ministry of Industry and Information Technology;
· Won the award of the national non-ferrous metal industry outstanding brand;



2018

· 获评为国家认可实验室;
· 获评GB/T 5237《铝合金建筑型材》国家标准研制创新示范基地(2018-2023);

· Awarded the National Recognized Testing Laboratory;
· Won the title of National Standard Research and Innovation Demonstration Base of GB/T 5237 "Aluminum Alloy Extruded Profiles for Architecture" (2018-2023);



2021

· 2021年, 坚美产品获国家工信部授予“制造业单项冠军产品”称号;

· In 2021, JMA's Products were awarded as the title of "Manufacturing Individual Champion Products" by the State Ministry of Industry and Information Technology;



2023

· 佛山市匠心品牌企业50强
· 佛山市数字化智能化示范工厂;

· Foshan Top 50Ingenuity Brand EnterpriseFoshan
· DigitalIntelligent Demonstration Factory;



1997

· 被评为中国建筑金属协会铝门窗、幕墙型材材料生产重点企业;

Appraised as Designated enterprises for scientific research and production of aluminum doors and windows, curtain wall profiles by China Building Metal Association;



2003

· 荣获中国铝型材企业十强称号;
· 广东省采用国际标准先进企业;

· Won the title of Top Ten Aluminum Profile Enterprises in China;
· Guangdong Province Advanced Enterprises Adopted With International Standards;



2006

· 通过了ISO14001:2004环境管理体系认证;
· 全国有色金属标准化技术委员会评为GB5237《铝合金建筑型材》试验研制基地;
· 被建设部评为中国建设科技自主创新优势企业;

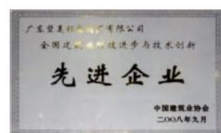
· Passed the ISO14001:2004 environmental management system certification;
· Nominated as the experimental research base of GB5237 "Aluminum Alloy Extruded Profiles for Architecture" by the National Non-ferrous Metals Standardization Technical Committee;
· Rated as an advantageous enterprise for independent innovation in science and technology by the Ministry of Construction;



2008

· 被评为全国建筑业科技进步与技术创新先进企业;

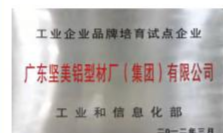
· Rated as National advanced enterprise of scientific and technological progress and technological innovation in construction industry;



2012

· 被工业和信息化部评为工业企业品牌培育试点企业;

· Named by Ministry of Industry and Information Technology ("MIT") as an industrial enterprise brand cultivation pilot enterprise;



2014

· 荣获2013年度广东省政府质量奖;
· 通过国家认可实验室认证;
· 成为国家认定企业技术中心;
· 广东省创新型企业;

· Won the 2013 Guangdong Provincial Government Quality Award;
· Passed the certification of National Recognized Testing Laboratory;
· Become National Enterprise Technology Center;
· Guangdong Province Innovative Enterprises;



2016

· 坚美荣获第二届中国质量奖提名奖;
· JMA won the nomination award of the 2nd China Quality Award;



2019

· 获《中国经济周刊》颁发“2019中国创新榜样”奖;
· 获《南方日报》颁发“2019致敬创新企业奖”;

· Won the "2019 China Innovation Model" Award from China Economic Weekly;
· Won the "2019 Tribute to Innovative Enterprises Award" issued by Nanfang Daily;



2022

· 佛山市数字化智能化示范车间;
· Foshan Digital Intelligent Demonstration Workshop;



2024

· 坚美产品获国家工信部授予“制造业单项冠军产品”称号;

· JMA' product was awarded the title of the Champion ofManufacturing Single Champion Product by NationalMinistry of IndustryandInformation;



JMA ALUMINUM

目录

CATALOG

01

生产设备设施
Production equipment and facilities

熔铸车间 <small>Casting workshop</small>	01
挤压车间 <small>Extrusion workshop</small>	03
表面处理车间 <small>Surface treatment workshop</small>	05
模具车间 <small>Die workshop</small>	06
深加工车间 <small>Deep processing workshop</small>	07
检测中心 <small>Testing Center</small>	08

02

工业型材产品
Industrial profile products

交通运输-乘用车 <small>Transportation - Passenger vehicles</small>	09	医疗器械 <small>medical apparatus and instruments</small>	16
交通运输-商用车 <small>Transportation - Commercial vehicles</small>	11	实心材 <small>Solid material</small>	17
消费类电子 <small>Consumer electronics</small>	13	其他工业材 <small>Other industrial materials</small>	19
热管理 <small>Thermal Management</small>	15		

熔铸车间

CASTING WORKSHOP



•拥有世界先进熔炼铸造系统23套,包含在线除气、管式过滤、油气滑铸造线、连续均质炉等。可生产1×××至7×××各种高品质的铝合金铸棒,铸棒直径Φ90~Φ482,铸棒年产能80万吨。

It has 23 sets of world-advanced smelting and casting systems, including on-line degassing, tubular filter, Airslip casting system, continuous homogenizing furnace, etc. Can produce 1××× to 7××× various high-quality aluminum alloy billets with diameters of $\phi 90 \sim \phi 482$ and an annual capacity of 800,000 tons.

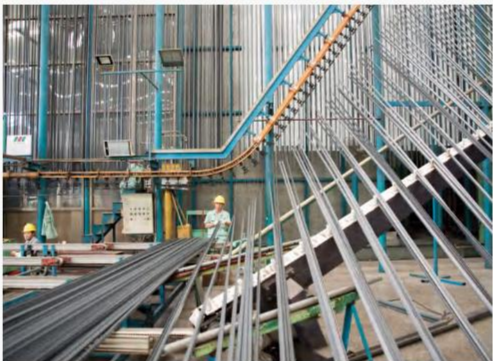
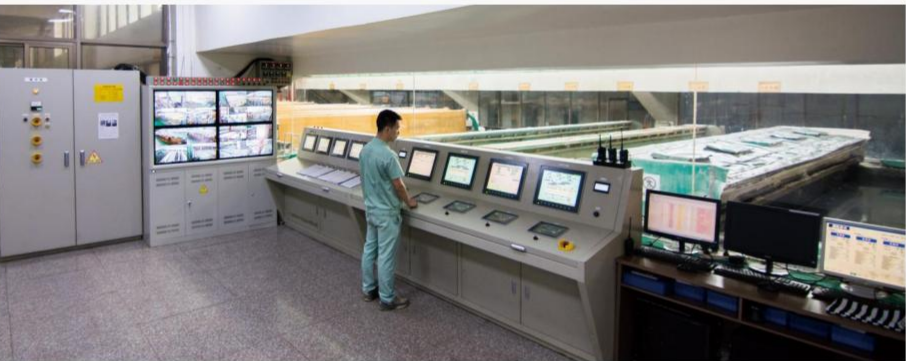
挤压车间

EXTRUSION WORKSHOP

- 拥有6MN到90MN不同规格的自动化高精挤压机61条，其中日本和意大利技术生产线10条、瑞典高精度温控时效及退火炉多套等。
- 产线利用ERP、SCADA、MES等数字化系统对生产全过程进行过程控制、可视化管理及产品追溯等。
- 可生产最大宽度720MM的型材，年挤压产能60万吨。

There are 61 automatic high-precision extrusion production lines with different specifications from 6MN to 90MN, including 10 lines from Japan and Italy, Sweden's high-precision temperature control aging and annealing furnaces. The production line uses ERP, SCADA, MES and other digital systems to carry out course control, visual management and product traceability for whole process. It can produce profiles with a maximum width of 720mm and an annual extrusion capacity of 600,000 tons.





表面处理车间

SURFACE TREATMENT WORKSHOP

- 拥有国际领先技术水平的全自动化立式氧化电泳生产线(日本技术)5条,卧式氧化电泳生产线1条;
- 全套引进瑞士、意大利世界先进水平的喷涂系统生产线12条;
- 拥有业内先进的日本喷漆生产线6条;
- 年产能50万吨。

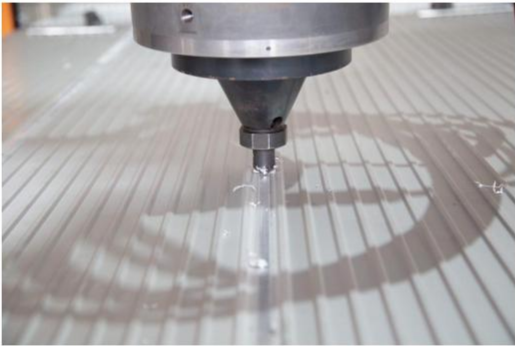
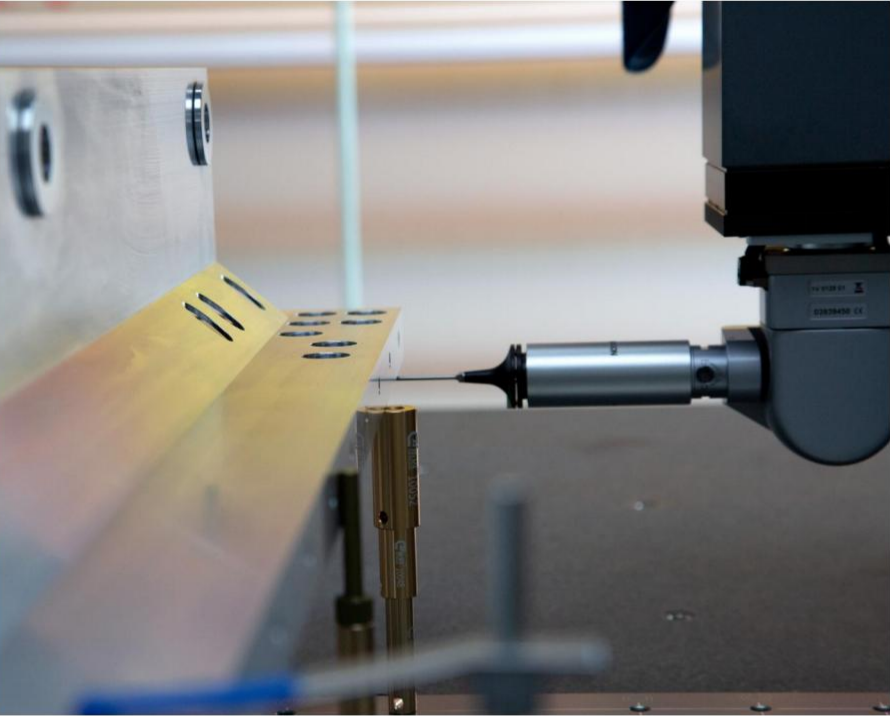
There are 5 automatic vertical anodising and electrophoresis production lines (Japanese technology) and 1 horizontal anodising and electrophoresis production line of international leading level; 12 powder coating lines imported from Switzerland and Italy with world advanced level; 6 industry-advanced Japanese PVDF lines; The annual output is 500,000 tons.

模具车间 DIE WORKSHOP

- 拥有国际先进的日本四轴立式加工中心、瑞士电火花机、日本线切割机模具加工设备。
- 采用数字仿真软件、三坐标检测仪实现模具设计、制造自动化、精密化及集成化,聘请国外专家团队提高模具设计和加工技术,可生产大断面、高精度、高性能、复杂截面等各类工业型材。
- 月产能4000套。

It has internationally advanced die manufacturing equipment such as Japan's four-axis vertical CNC, Switzerland's EDM machine and Japan's WEDM machine; Using digital extrusion simulator and three-coordinate measuring instrument to realize die design, manufacturing automation, precision and integration, employing foreign expert team to improve die design and processing technology, it can produce industrial profiles of large section, high precision, high performance, complex section and so on; The monthly production capacity is 4000 sets.





深加工车间 DEEP PROCESSING WORKSHOP

• 拥有三坐标测量仪、气密检测仪等检测设备30多台套，全自动数控加工设备80多台套，KUKA全自动机器人50多台套。

It is equipped with over 30 sets of testing equipment such as three-coordinate measuring machines and air tightness testing instruments, over 80 sets of fully automatic CNC processing equipment, and over 50 sets of KUKA fully automatic robots.

检测中心 TESTING CENTER

- 投入超1亿元建成CNAS国家级认可实验室，通过严苛实验环境检验产品，驱动材料革新与绿色升级；
- 针对3C用铝材，配备专用氧化试验线，从铸棒进行源头管控并对铸棒进行挤压验证，合格铸棒方可投入使用；
- 挤压材工艺监管，根据客户产品要求进行检验，检验合格方可出货。

With an investment of over 100 million yuan, a CNAS-recognized national-level laboratory has been established. Products are tested in a strict experimental environment, driving material innovation and green upgrading. For aluminum materials used in 3C, a dedicated oxidation test line is equipped to control the cast rods from the source and conduct extrusion verification on the cast rods. Only qualified cast rods can be put into use. Extrusion material process supervision, conducting inspections based on customer product requirements, and goods can only be shipped after passing the inspection.



钨灯丝扫描电子显微镜 Tungsten filament scanning electron microscope



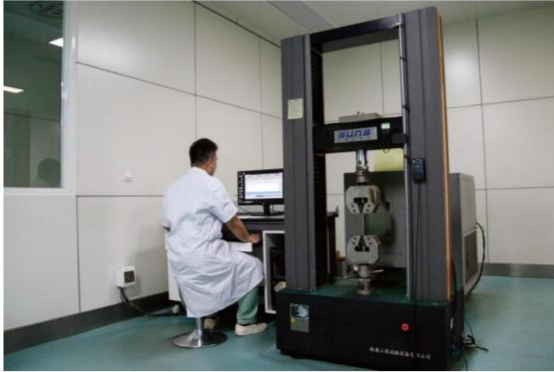
用于缺口、缺陷分析等。
It is used for notch and defect analysis, etc.

离子色谱仪 Ion chromatograph



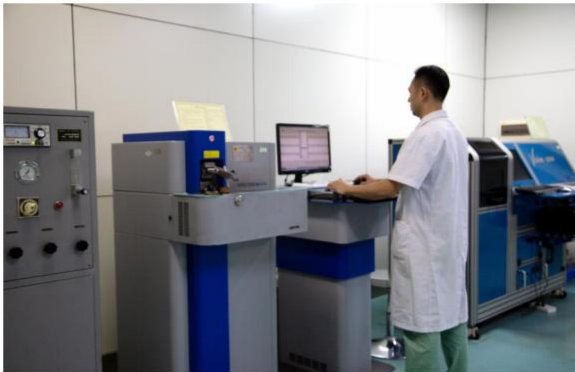
用于分析水溶液中的氟离子、氯离子、溴离子、硝酸根离子、硫酸根离子等。
It is used for analyzing fluoride ions, chloride ions, bromide ions, nitrate ions, sulfate ions, etc. in aqueous solutions.

万能试验机 Universal testing machine



用于挤压车间基材力学性能、隔热车间隔热型材横向抗拉和纵向抗剪以及隔热条的横向抗拉等试验。
It is used for tests such as the mechanical properties of the base material in the extrusion workshop, the transverse tensile strength and longitudinal shear strength of the thermal insulation profiles in the thermal insulation workshop, and the transverse tensile strength of the thermal insulation strips.

直读光谱仪 Direct-reading spectrometer



用于熔铸车间炉前、炉后化学成份分析、挤压车间基材化学成分分析，主要检测试样中的硅、镁、铜、铁、锰、锌、钛、铬、镍、铝等。
It is used for chemical composition analysis before and after the furnace in the melting and casting workshop, and for chemical composition analysis of base materials in the extrusion workshop. It mainly detects silicon, magnesium, copper, iron, manganese, zinc, titanium, chromium, nickel, aluminum, etc. in the samples.

交通运输-乘用车

TRANSPORTATION -PASSENGER VEHICLES

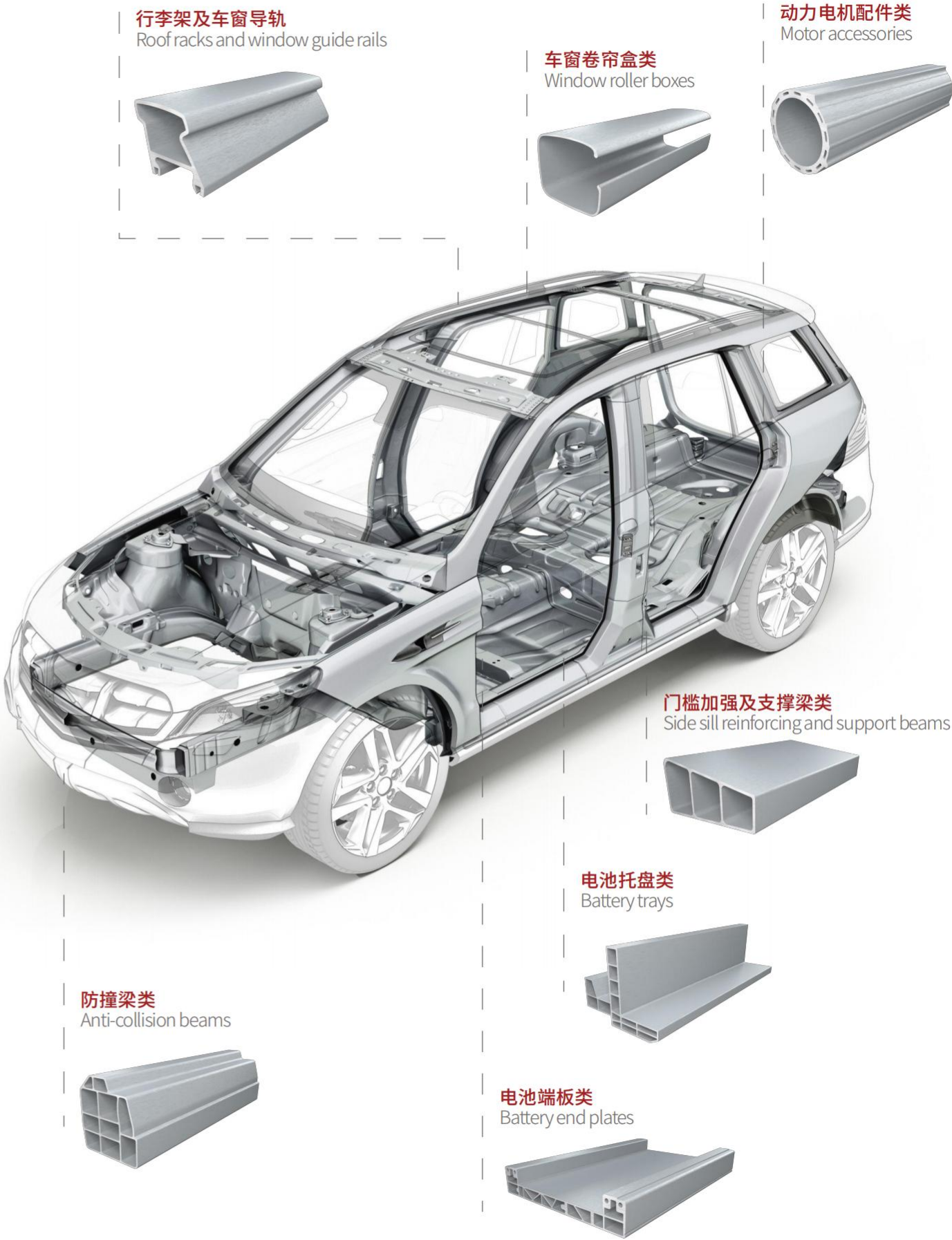
• 坚美集团积极切合全球汽车市场发展的需求及趋势，尤其是新能源汽车领域，研制出多种特性合金材质，开发各类高精尖的挤压型材及铝合金零部件及总成产品。公司研制的合金规格有6063G、6063W、6061T、6061Q、6082G、7108、7075等等，可满足不同产品特性需求。

• 目前开发产品包括但不限于汽车前后防撞梁、门槛加强梁、电池托盘和托架、电池端板、车顶行李架及副车架、动力电机壳、座椅滑轨、车窗卷帘盒等等，产品终端应用于国内外多个汽车头部品牌的汽车产品上。

Jianmei Group actively caters to the demands and trends of the global automotive market, especially in the field of new energy vehicles, and has developed a variety of characteristic alloy materials, as well as a wide range of high-precision extruded profiles, aluminum alloy components and assemblies. The alloy specifications developed by the company include 6063G, 6063W, 6061T, 6061Q, 6082G, 7108, 7075, etc., which can meet the requirements of different product characteristics. The current developed products include but are not limited to front and rear anti-collision beams for automobiles, threshold reinforcement beams, battery trays and brackets, battery end plates, roof luggage racks and subframes, power motor housings, seat slides, window roll boxes, etc. The products are ultimately applied to the automotive products of many leading domestic and foreign automotive brands.

合金产品特性举例
Examples of alloy product characteristics

名称	抗拉强度 (Tensile strength)	屈服强度 (Yield Strength)	伸长率 (Elongation)
6063-T66	≥265Mpa	≥245Mpa	≥12%
GB/T6892标准	≥215Mpa	≥170Mpa	≥6%
6061T-T6	≥290Mpa	≥260Mpa	≥10%
GB/T6892标准	≥260Mpa	≥240Mpa	≥7%
6082G-T6	≥320Mpa	≥290Mpa	≥11%
GB/T6892标准	≥290Mpa	≥250Mpa	≥8%

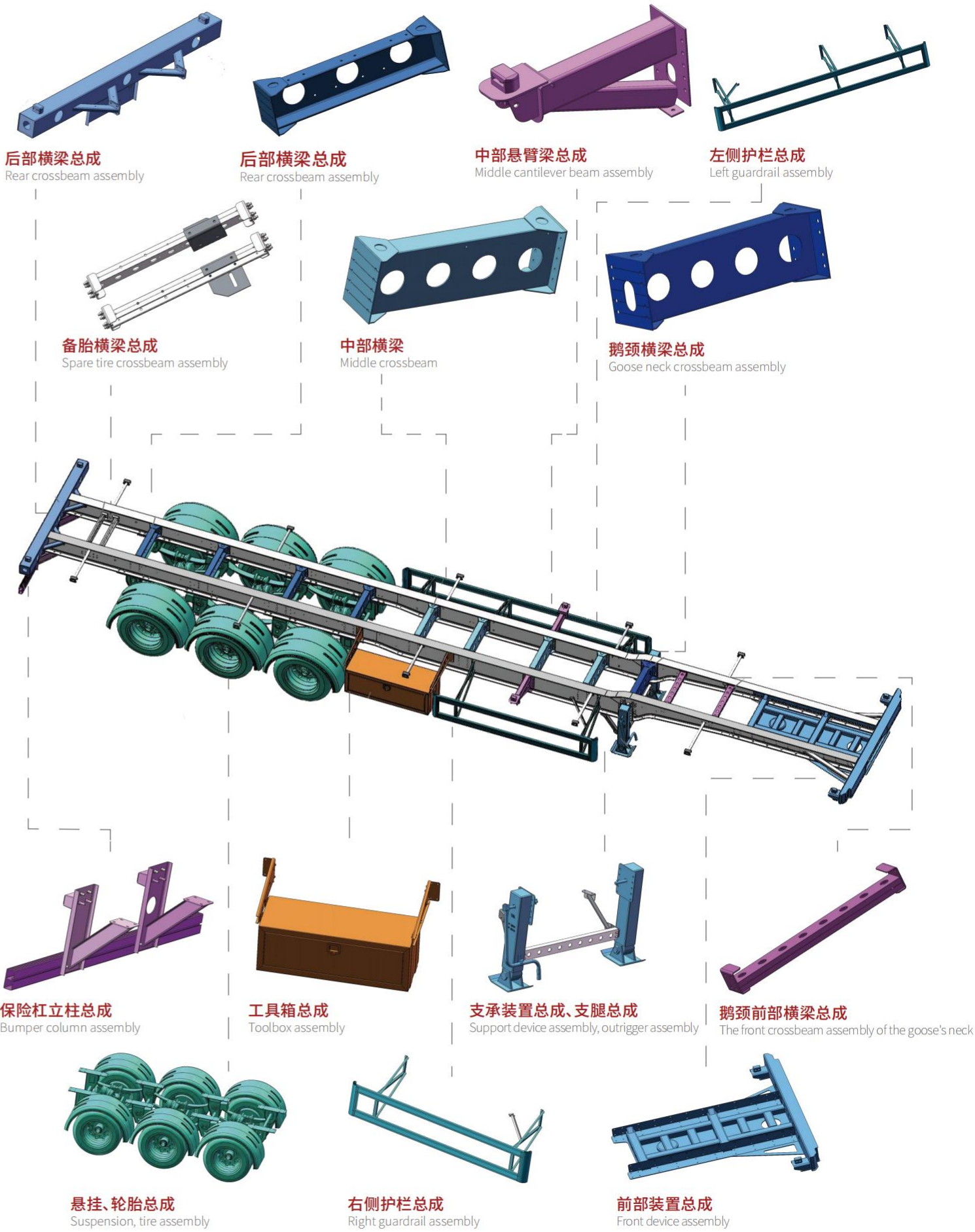


交通运输-商用车

TRANSPORTATION - COMMERCIAL VEHICLES

- 坚美铝业集团积极响应国家绿色低碳发展与汽车轻量化战略，将高性能铝合金材料创新应用于专用汽车制造（如厢式半挂车、冷藏车、翼展车等）。从结构、零部件等细节上实现专用汽车的轻量化与绿色低碳转型，有效节能减排，助力国家“双碳”目标达成。
- 引入国内先进自动化生产线，涵盖铝合金半挂车骨架、厢体制造、整车自动涂装等全流程，可生产长跨度为4.2—16.5米的车厢体，涵盖单轴、双轴和三轴的产品，以满足不同应用场景的需求。

Jianmei Aluminum Industry Group actively responds to the national green and low-carbon development and automotive lightweighting strategy, innovatively applying high-performance aluminum alloy materials in the manufacturing of special-purpose vehicles (such as box semi-trailers, refrigerated trucks, wing-span vehicles, etc.). To achieve the lightweight and green low-carbon transformation of special-purpose vehicles from details such as structure and components, effectively save energy and reduce emissions, and contribute to the realization of the country's "dual carbon" goals. We have introduced advanced domestic automated production lines, covering the entire process from aluminum alloy semi-trailer frame manufacturing, box body manufacturing to automatic whole vehicle painting. We can produce box bodies with a long span of 4.2 to 16.5 meters, including single-axle, double-axle and triple-axle products, to meet the demands of different application scenarios.



消费类电子

CONSUMER ELECTRONICS



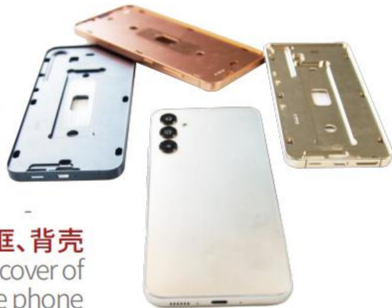
平板外壳
Tablet case



充电宝外壳
TPower bank casing



手机中框、背壳
The frame and back cover of the mobile phone



坚美3C产品合金化学成分及性能要求

Chemical Composition and Performance Requirements of JMA 3C Product Alloy

合金(Alloy)	硅(Si)	镁(Mg)	铁(Fe)	铜(Cu)	锰(Mn)	锌(Zn)	钛(Ti)	铬(Cr)/锆(Zr)	铝(Al)	强度级别(R _{p0.2} /MPa)
5M52	0.25-0.30	2.1-2.3	<0.2	≤0.1	≤0.05	≤0.05	≤0.04	≤0.05	余量	150~230
6M63	0.48-0.52	0.55-0.60	≤0.15	≤0.1	≤0.05	≤0.05	≤0.03	<0.05	余量	200~250
6M61	0.63-0.68	0.88-0.92	≤0.15	0.20-0.24	<0.05	≤0.05	≤0.03	≤0.05	余量	250~330
6M13	0.55-0.62	0.79-0.84	≤0.12	0.58-0.62	≤0.15	≤0.05	≤0.015	≤0.05	余量	330~370
6J13	0.68-0.74	0.88-0.94	≤0.12	0.82-0.88	≤0.15	≤0.05	≤0.015	≤0.05	余量	360~410
7029	≤0.1	1.4-1.5	≤0.12	0.75-0.82	≤0.03	4.8-5.0	≤0.05	≤0.05	余量	400~450
7M03	≤0.1	1.8-1.9	≤0.12	0.68-0.72	≤0.15	5.5-5.7	≤0.1	≤0.05	余量	450~500
7530	≤0.1	2.0-2.2	≤0.12	0.55-0.65	≤0.15	6.2-6.4	≤0.1	≤0.05	余量	500~550

- 坚美3C产品合金如上表，屈服强度从100MPa~550MPa级覆盖，且具有极高的氧化表面效果，能满足高光、平光、喷砂等工艺要求。
- 根据客户要求，可合金推荐或开发新型合金，坚美具有足够强的研发及生产团队，满足产品定制化要求。
- 具备1XXX~7XXX全系列合金的生产及开发能力。

The JMA 3C product alloy is as shown in the table above. The yield strength covers a range from 100MPa to 550MPa. It has extremely high oxidation surface effect and can meet the process requirements of high gloss or flat coating, sand blasting and so on. According to the requirements of customers, we can provide recommendation or even develop new alloys. JMA has a strong enough R&D and production team to meet the customization requirements of products. JMA has the production and development capability of 1XXX~7XXX all-series alloy.



音箱外壳
Audio enclosure



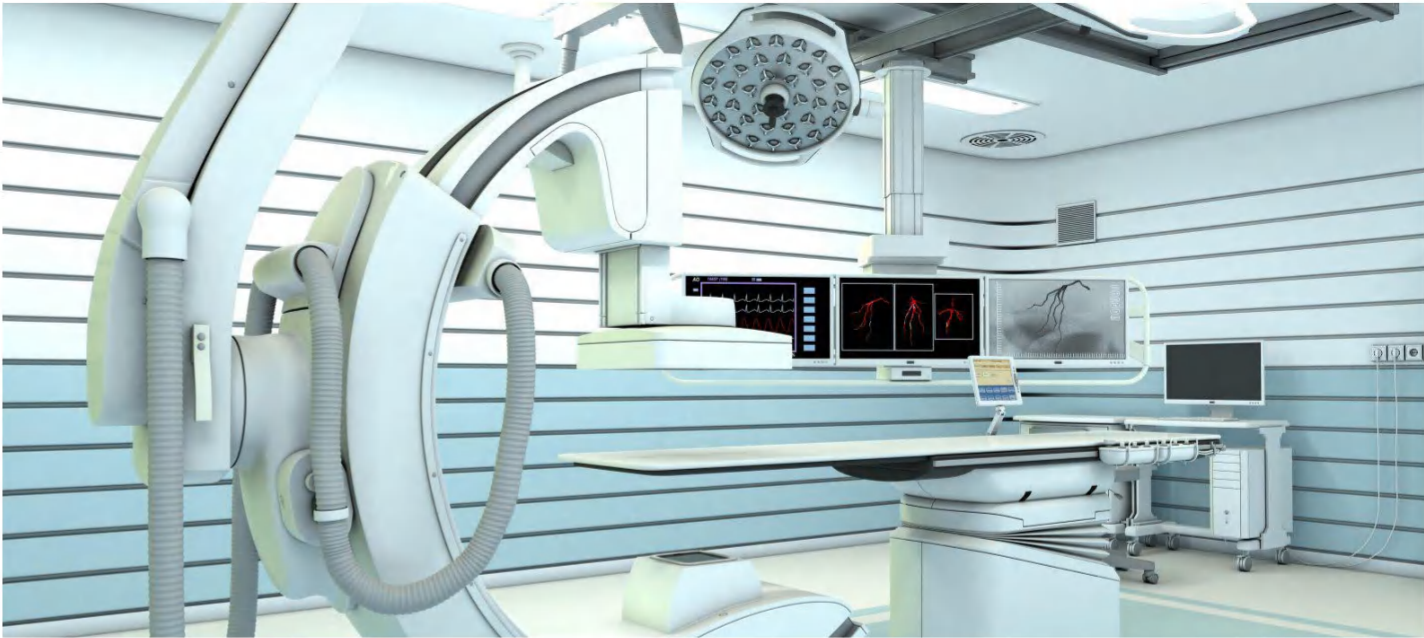
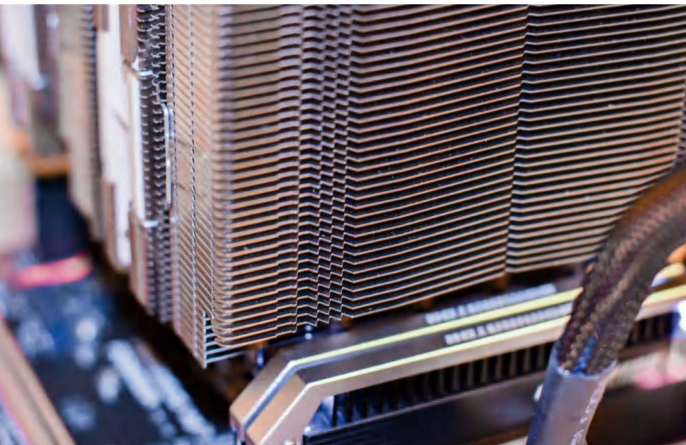
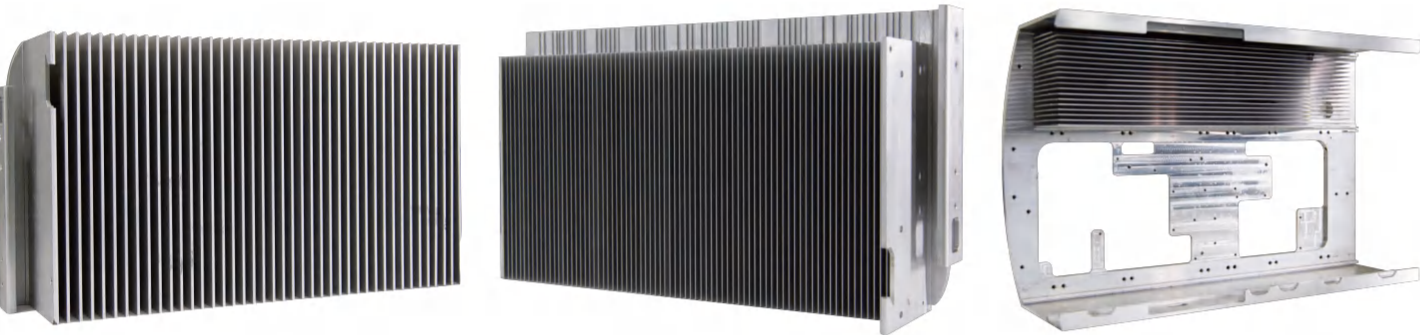
键盘外壳
Keyboard case

热管理 THERMAL MANAGEMENT

• 中国制造2025带动工业向自动化、智能化快速发展，在智能家电、智能穿戴、智能装备、5G通讯、云计算、储能等领域获得了巨大进步。而自动化和智能化的关键部件中的电子元器件对温度非常敏感，必须对温度进行管理和控制。铝合金的易成形、散热好、耐腐蚀、表面处理种类多、可回收等优点而挤压成各种铝型材广泛用于热管理，其中最常见、应用最多是各种形状的散热器如太阳花形、扁宽形、圆形、梳子形、鱼刺形、鳍片形等。

• 坚美铝业利用先进的设备和10年的散热器生产技术积累，现已形成各类大小、各类形状的散热器专业生产线，可生产倍齿高达20倍以上的高密齿散热器，以及宽度达710MM的超大型高密齿异型散热器，可生产合金1060、6063、3003、5257等。坚美铝业可从合金开发、结构设计、模具制造、挤压成形一条龙为客户提供热管理用各类铝型材。

“Made-in-China 2025” plan has driven the rapid development of the industry towards automation and intelligence, and great progress has been made in smart home appliances, smart wearables, smart equipment, 5G communication, cloud computing, energy storage and other fields. The electronic components in the key parts of automation and intelligence are highly sensitive to temperature and must be managed and controlled. With the advantages of easy forming, good heat dissipation, corrosion resistance, various surface treatment types, recyclability and the like, aluminum alloys are extruded into various aluminum profiles being widely applied in thermal management, wherein the most common and most widely used are heatsinks with various shapes such as sun flower shape, flat and wide shape, round shape, comb shape, fishbone shape, fin shape etc. Taking advantage of advanced equipment and 10 years of heatsink production experience, JMA Aluminum has formed professional production lines of heatsinks of various sizes and shapes, which can produce high-density-fin heatsinks with fin height-spacing ratio as high as 20 times, and super-large high-density-fin special-shaped heatsinks with width of 710mm, and can also produce alloy serials 1060, 6063, 3003, 5257, etc. JMA Aluminum can provide customers with a full range of aluminum profiles for thermal management, from alloy development to structure design, die manufacturing, and extrusion, on a one-stop basis.



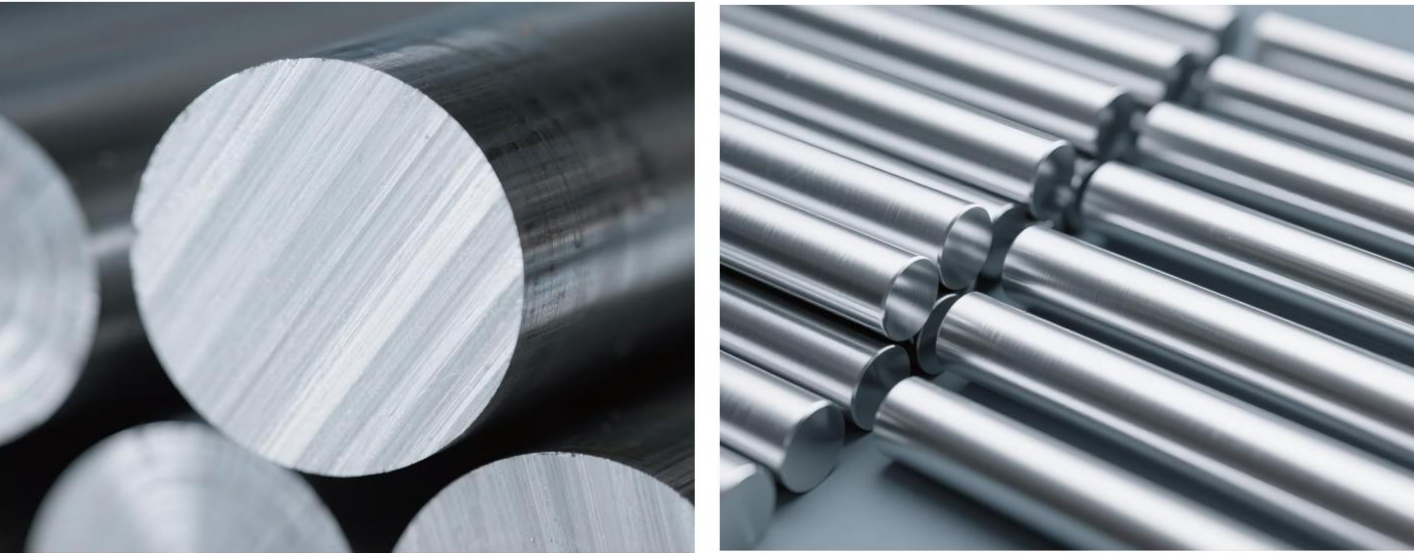
医疗机械 MEDICAL EQUIPMENT

• 铝型材凭借其轻质高强、耐腐蚀、易加工、导热性好且性价比高的特性，在医疗器械领域应用广泛，主要用于制造诊断设备（如CT、X光机、核磁共振设备）的框架、外壳和滑轨；治疗设备（如手术台、病床、理疗设备）的支撑结构和调节部件；以及康复设备（如轮椅、助行器等移动辅助设备）的骨架。

• 坚美铝业凭借技术和设备优势，为医疗器械领域提供一系列高精度、高性能、高稳定性铝型材，有效实现了器械的轻量化、结构稳定性和模块化设计，同时其优异的散热性能保障了设备的可靠运行，光滑表面也便于清洁消毒，满足医疗环境的严苛要求。

Aluminum profiles, with their characteristics of being lightweight, high-strength, corrosion-resistant, easy to process, having good thermal conductivity and high cost performance, are widely used in the medical device field. They are mainly used to manufacture the frames, shells and slides of diagnostic equipment such as CT, X-ray machines and nuclear magnetic resonance equipment. The supporting structures and adjusting components of therapeutic equipment (such as operating tables, hospital beds, and physiotherapy equipment); And the skeletons of rehabilitation equipment (such as wheelchairs, walking AIDS and other mobile assistive devices). With its technological and equipment advantages, Jianmei Aluminum Industry provides a series of high-precision, high-performance and high-stability aluminum profiles for the medical device field. It effectively realizes the lightweight, structural stability and modular design of the devices. Meanwhile, its excellent heat dissipation performance ensures the reliable operation of the equipment, and the smooth surface is also easy to clean and disinfect, meeting the strict requirements of the medical environment.

实心材 SOLID MATERIAL



公司主要生产的铝合金种类及牌号

The types and grades of aluminium alloys mainly produced by the company

合金 Metal	牌号 The name of a shop
1060/1070/1100	H112
2011/2A11/2024	T4
3003/3003D/3005/4032	H112、H32
5052/5083/5083A	H112、H32
6060/6463/6063/6063A	T1、T4、T5、T6、T66
6061/6061A	T1、T4、T6、T6511
6005/6005A	T5、T6
6082/6082A	T6
6110A/6N01	T4、T6
6101B	T6
6013/6013A	T6
6110A/6261/6262	H112、T4、T5、T6
7003/7005	T5、T6
7050/7075	T4

坚美实心材产品优势

铝排、圆管执行尺寸公差 Dimension tolerance of aluminum row and tube				圆棒执行尺寸公差 Executed round bar dimensional tolerance			
尺寸 Dimensions	GB/T3191-2019 标准公差 Standard Tolerance	本厂执行公差 Tolerance executed by the company		尺寸 Dimensions	GB/T3191-2019 标准公差 Standard Tolerance	本厂执行公差 Tolerance executed by the company	
>6~10	±0.20	+0.15	-0.05	>6~10	±0.20	+0.15	0
>10~18	±0.22	+0.2	-0.05	>10~18	±0.22	+0.2	0
>18~25	±0.25	+0.25	-0.05	>18~25	±0.25	+0.25	0
>25~28	±0.28	+0.28	-0.05	>25~28	±0.28	+0.28	0
>28~40	±0.30	+0.3	-0.1	>28~40	±0.30	+0.3	0
>40~50	±0.35	+0.4	-0.1	>40~50	±0.35	+0.35	-0.05
>50~65	±0.40	+0.5	-0.15	>50~65	±0.40	+0.45	-0.1
>65~80	±0.45	+0.6	-0.2	>65~80	±0.45	+0.55	-0.1
>80~100	±0.55	+0.65	-0.2	>80~100	±0.55	+0.65	-0.1
>100	±0.65	+0.8	-0.2	>100~160	±0.65	+0.8	-0.1

- 公差小,减少客户加工量,节省材料成本;
Small tolerance to reduce the processing quantity of customers, and save the material cost;
- 粗晶环薄,内控<0.5mm,实际<0.2mm,降低氧化风险;
Thin coarse-grain ring, the inner radius is controlled to be less than 0.5mm, the actual value is less than 0.2mm, and the oxidation risk is reduced;
- T651去应力处理充分,降低产品加工变形风险;
T651 sufficient stress relief treatment to reduce the processing deformation risk of the product;
- 大库存,常备2000吨库存,现货规格多达500余种,实际模具规格达2000余套,能满足小批量打样及大批量供货的要求;
Large stock, 2000-ton regular stock, more than 500 stock specifications and over 2000 sets of actual die specifications, can meet both small-batch sample production and large-batch supply requirements;
- 产品线齐全:具有精抽工序、反向挤压(硬合金)、立式淬火炉等配套。
Complete product line: fine pulling process, indirect extrusion (hard alloy), vertical quenching furnace and other supporting equipment.

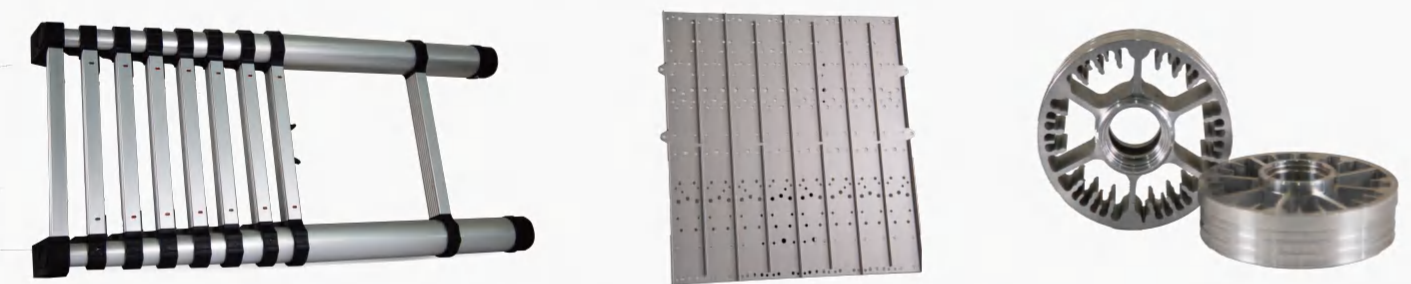


其他工业材

OTHER INDUSTRIAL MATERIALS

•工业铝型材用途广泛, 适用于各类整装工程及各工业部件, 如铝合金人行天桥、防护栏、隔音屏、运动健身器材、医疗器械、通信工程、电子电力等各类工业基础设施, 坚美铝业全制程研发生产配套, 解决各类工业用铝型材需求。

Industrial aluminum profiles have a wide range of applications. They are suitable for all kinds of assembly engineering and industrial components, such as aluminum alloy footbridges, guard rails, sound insulation screens, sports and fitness equipment, medical equipment, communication engineering, electronic and electric power and other industrial Infrastructure. JMA is engaged in research, development and production of complete processes to meet the needs of all kinds of industrial aluminum profiles.



坚美自主研发合金产品介绍

序号	新合金及合金优化 New Alloy and Alloy Optimization	合金特点 Characteristics of alloy	用途 Purpose
1.	JMC586	导电率>58.6%ACS, 硬度>6HW Conductivity>58.6%ACS, Hardness >6HW	导电轨、导电杆 Conductor rail, conductor rod
2.	JM5005	耐腐蚀性好, 氧化装饰性效果好 Good corrosion resistance and good anodizing decoration effect	仪表板、炊具 Instrument panel, cookware
3.	JM5056	中高强度, 且高耐腐蚀性 Medium-high strength and high corrosion resistance	船舶部件、容器零部件 Ship components, vessel parts
4.	JM6063S	纯净度高, 内应力小, 氧化性好 High purity, low internal stress and good anodizing property	笔记本、平板、键盘料外壳等 Notebook, tablet, keyboard shell, etc.
5.	JM6008	中强度高、折弯性好, 折弯角度达120 Medium strength, high toughness, good bending property, bending angle up to 120	汽车车厢板、吸能盒 Automobile carriage plate and energy absorption box
6.	JM6M13	中高强高光氧化效果好 Medium-high strength with good high - gloss anodizing effect	手机摄像头、卡槽、中框等 Mobile phone camera, card slot, middle frame, etc.
7.	JM6J13	高强高光氧化效果好 High-strength with good high gloss anodizing effect	手机中框、手机底壳 Mobile phone middle frame and mobile phone bottom case
8.	JM6061X	生产成本更低, 氧化性好, 特别是硬质氧化效果好 Lower production cost, good anodizing property, especially good hard anodizing effect	汽车配件、机械装备结构件 Automobile parts and mechanical equipment structural parts
9.	JM6013M	屈服强度>370MPa, 硬质氧化效果好, 无分色缺陷 Yield strength > 370MPa, good hard anodizing effect, and no color separation defect.	吹瓶模、机械装备承载结构件 Bottle blowing mold and mechanical equipment bearing structural parts
10.	JM6082A	中高强度, 韧性好, 弯曲性能好 Medium-high strength, good toughness, good bending property	汽车门槛梁、吸能盒 Side sill beam and energy absorption box of automobile
11.	JM6005	成分优化设计, 磨砂氧化银白颜色符合客户特殊要求 With optimized composition design, the silver-white sand blasting and anodizing product meets the special requirements of customers.	太阳能边框料 Solar energy frame material
12.	JM7003	中高强度, 且焊接性能好 Medium-high strength and good welding performance	航空货柜 Air cargo container
13.	JM7530	超高强度高光氧化效果好 Super-high strength with good high gloss anodizing effect	手机背壳、手机中框 Mobile phone back case and mobile phone middle frame
14.	JM7046	高强高韧, 性能匹配45#钢, 满足客户以铝代钢的需求 High strength and high toughness, performance matching 45# steel, meets the customer's demand of replacing steel with aluminum	汽车配件、垫片 Automobile accessories and gaskets
15.	JM7005	高强高韧、抗冲击性好、耐疲劳 High strength and toughness, good impact resistance and fatigue resistance	汽车防撞梁 Automobile anti-collision beam