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中国汽车模具铸造行业领导者
LEADER OF AUTOMOTIVE MOULD CASTING INDUSTRY IN CHINA
Exquisite Automotive Systems Co., Ltd (referred to as EA), with headquarters located in Baoding, Hebei Province and registered capital of 1 billion RMB have annual output value of 13.5 billion RMB and more than 11000 staff. Its service has been divided into three divisions and eight major business according to the characteristics of the process. It has one R&D center and 16 manufacturing plants, which located in Hebei Province, Tianjin, Jiangsu Province and Chongqing.

The process technology includes cold stamping, hydraulic forming, welding, e-coating, machining, module assembly, aluminum alloy casting, mould casting, hot forming, rolling, mould design and manufacturing, design integration of automation equipment and material recycling and reusing, etc.

Its products cover parts of chassis system, vehicle body system, powertrain system and transmission system, and automatic production equipment.
The Development History

2019: In 2019, it entered a "comprehensive strategic cooperation relationship" with TQM.

2018: After years of technology accumulation, it had successfully entered the designated supplier system of Volkswagen, Audi, BMW, Honda, Hyundai, Ford, GM, etc.

2017: In 2017, the machine processing workshop was established, and the mold processing industry chain was extended to serve customers.

2017: Since 2017, the company achieved continuous growth in sales volume of automobile stamping die castings in China for 8 consecutive years from 2010 to 2017.

2012: In May 2012, it cooperated with Shanghai Volkswagen to develop high-performance ductile iron materials.

2010: In October 2010, We participated in China International Mold Exhibition for the first time.

2009: In August 2009, it formally entered the supplier system of TQM.

2009: Since 2009, the production volume has reached 25,656 tons, becoming the highest production and sales of automotive stamping die foundry in China.

2007: It formally entered the automobile supply system in December 2011, the annual production and sales reached 25,656 tons, becoming the highest production and sales of automotive stamping die foundry in China.

2007: In August 2009, it formally entered the supplier system of TQM.

2007: In 2009, the company formally entered the supply system of TQM.

2007: In 2009, it formally entered the customer system of TQM.

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企业布局
Enterprise Layout

精工铸造分公司位于河北保定顺平县长城汽车零部件西区，居首都北京、天津、石家庄的三角地带，毗邻京昆、保阜高速公路，自然风光秀美，交通便利。

Exquisite Foundry Branch is located in the west of Great Wall Auto Parts in Shumping County, Baoding, Hebei Province. It is surrounded by Beijing, Tianjin and Shijiazhuang and adjacent to Beijing-Kunming and Baofu Expressways with beautiful natural scenery and convenient transportation.

企业形象
Corporate Impression
Manufacturing Capacity

实型 | Full mould

Our company has 4 most advanced Paulilon processing equipment in Asia: Juchuan Machine Tool, and 18 supporting equipment, which can meet the daily capacity of 70 tons, monthly capacity of 1800 tons, solid delivery cycle of 3-5 days.

铸造 | Casting

1. There are 3 high frequency induction furnaces imported from the United States: 2 Sets of 10T and 1 Sets of 15T.
2. The daily capacity is 150-200 tons.
3. The shortest delivery period is 15 days and the regular delivery period is 20-25 days.
4. The maximum production of gray iron castings is 30 tons one piece and ductile iron casting is 25 tons one piece.
1. There are 18 CNC machine tools: 2 sets of machine tool (6m) double axles, 7 sets of machine tool (5m), 5 sets of machine tool (4m), 4 sets of CNC gantry milling machine tool (3m), milling machines.
2. It is equipped with FANUC31i numerical control system, laser automatic tool setting instrument and Renishaw on-line detection system.
3. To meet the needs of roughing and finishing of structural surface and semi-finishing of profile surface, with an annual capacity of 5000 tons.
4. Achieve early detection of casting defects, reduce the abnormal occurrence rate and treat time of customers in processing.
5. Supporting die and mould factories to provide high-quality processing resources, reduce the overall cost of die and mould processing, and improve management efficiency.
6. Realize the integrated service of full mould making, casting and mould processing, shorten the production cycle by 7-15 days.
7. Provide one-stop roughing service for foundry and reduce the cost of customer management by 500-3000 yuan/ton.
Quality Guarantee

设备保障 | Equipment guarantee

1. 我司拥有完善、先进的实验仪器和检验、检测设备。
2. 进厂原辅材料 100% 检测。
1. Our company has perfect and advanced experimental instruments and testing and testing equipment.
2. 100% inspection of raw and auxiliary materials.

3D 扫描 | 3D scanning

国内首家应用 3D 激光扫描设备（TRACKSCAN-SOLO）的铸造厂。具有高效率、扫描速度快、范围大等优点，应用于实型、铸件扫描，及时精的的发现加工问题，防止缺陷及变形缺陷的流出。
The first foundry in China to use 3D laser scanning equipment (TRACKSCAN-SOLO). The equipment has many advantages, such as high efficiency, fast scanning speed and wide range. It is used for scanning solid models and castings to find processing problems in time and accurately, to prevent defects such as shortage and deformation from flowing out.

软件模拟 | Software simulation

根据各类产品特性及模具结构多样性，设计最佳的生产工艺保证质量的稳定。通过采用欧洲先进模拟软件，达到实型、铸件一致性，确保生产精度。
According to the particularity of various products and the diversity of die structure, the best production process is designed to ensure the stability of quality. By purchasing European advanced simulation software, the consistency of solid mold and castings can be achieved, and the production accuracy can be ensured.
研发能力
R & D Ability

人才保障 | Talent guarantee

我们设立研发中心拥有丰富工作经验的专业研发人员 20 余人，分别负责铸造模拟、生产工艺设计、加工工艺设计、产品技术服务。

Our R&D center has more than 20 professional R&D personnel with rich working experience. They are responsible for casting simulation, casting process design, processing process design and product technical services.

高牌号专利（高性能） | High-brand patents (High performance)

拥有自主知识产权，申请国家专利，高延伸率高延球铁，提高模具寿命和冲压件产品稳定性。

With independent intellectual property rights, application for national patents, high elongation ductile iron, prolong die life cycle and stabilize stamping product.

2010 年我司着手研发高性能球铁，经过 5 年的试验改进及生产应用，15 年 10 月份获得国家专利许可，材料致密性及淬火性各项指标均高于同等级号其它材质。

In 2010, our company began to develop high-performance ductile iron. After five-year of improvement and application, we obtained the national patent license in October 2015. The compactness and quenching properties of the material are higher than those of other materials of the same brand.

Since June 2012, more than 200 sets of various drawing products have been successfully produced. The stamping quality, quenching hardness and quenching crack resistance of the die are superior to those of other materials.

双材质技术 | Dual material technology

1. 凹模、模座无装配面
2. 制造周期缩短
3. 不存在淬火变形分析
4. 无定位键，螺栓采购等
5. 制造成本低

1. No assembly surface of punch and die base
2. Shortening manufacturing cycle
3. No analysis of quenching deformation
4. No positioning keys, bolt purchasing, etc
5. Low manufacturing cost

排气孔镶铸技术 | Casting technology of exhaust hole

为客户提供排气孔加工工序，突破铸造行业 10mm 以下深孔无法铸造的难题，从而降低模具制造成本，缩短模具制作周期，实现合作双方共赢。

The processing of exhaust hole processing for customers and break through the casting industrial limit that more than 10 mm deep hole can not be cast, so as to reduce the cost of die manufacturing, shorten the cycle of die manufacturing, and achieve win-win cooperation between the two sides.

现有生产模式 | Existing production mode

特点：
1. 应用手钻设备完成打孔
2. 制造效率低，生产周期长
3. 孔径较小存在刀具折断现象
4. 易造成返工修理

Characteristics:
1. Perforating holes with machine-added equipment
2. Low manufacturing efficiency and long production cycle
3. Tool breakage in deep hole
4. Easy to cause rework and repair

创新生产模式 | Innovative production mode

特点：
1. 应用手钻打孔
2. 加工效率高
3. 杜绝返工修理
4. 制造成本低

Characteristics:
1. Drilling by hand drill
2. High processing efficiency
3. Eliminate rework and repair
4. Low manufacturing cost
售后保障
After Sale

服务体系 | Service system
1. 客诉处理控制程序
2. 顾客满意度测量程序
1. Customer Complaint Handling Control Procedure
2. Customer Satisfaction Measurement Procedure

应急机制 | Emergency mechanism
1. 4 小时快速反应机制的建立
2. 产品质量问题，影响客户使用进度的24小时（300公里内）至客户现场
1. Establishment of 4-hour quick response mechanism
2. Traveling to the customer site for any quality problem when it affects the use progress in 24 hours (within 300 kilometers)

精工承诺 | Our commitment
1. 提供铸件终身质保服务
2. 无偿提供表面冷焊、热处理淬火服务或技术指导
3. 全生命周期的售后服务
1. Provide life-long quality assurance service for castings
2. Provide surface cold welding, heat treatment and quenching services or technical guidance (free of charge)
3. After-sales service in a full life cycle

主要客户
Customers

华北地区 | North China

华东地区 | East China

华中地区 | Central China

西南地区 | Southwest China

华东地区 | South China

山东地区 | Shandong

华南地区 | South China

东北地区 | Northeast China
荣誉资质
Qualification & Honor
企业愿景
Enterprise Vision

使命 | Mission
以实现顾客价值为导向，聚焦技术及管理创新，引领行业管理升级
Sailing for the customer value, focusing on technology and management innovation, leading the upgrading of industry management.

愿景 | Vision
中国第一 国际一流
Number One in China, Top Class Worldwide

价值观 | Values
诚信、责任、发展、共享、创新
Integrity Responsibility Development Sharing Innovation

您可以通过以下方式联系我们
You can contact us as follows