



温州轩源汽车科技有限公司

WENZHOU XUANYUAN AUTO TECHNOLOGY CO.,TLD.

DOCUMENT NO.: XYXC220328002

企业介绍

CORPORATION INTRODUCTION

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CORPORATION INTRODUCTION

WENZHOU XUANYUAN AUTO TECHNOLOGY CO.,LTD was founded in 2019

The former company is RUIAN SANCHUAN AUTOMOTIVE ELECTRIC APPLIANCE CO.,LTD. founded in 1996



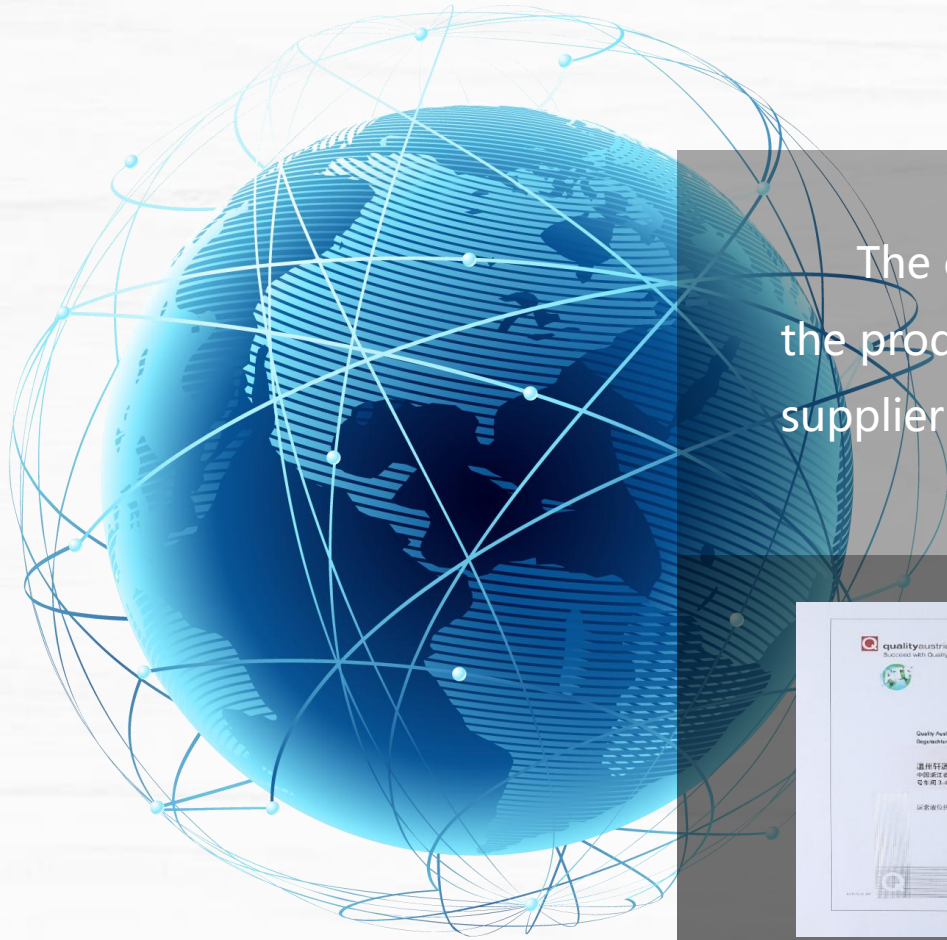
XUANYUAN corporation mainly produces electronic accelerator pedals, pedal sensors and Adblue level sensors, the turnover was about \$5M in 2022.

Electronic Accelerator Pedal
Manufacturing and R&D since 2008

Adblue Level Sensor
Manufacturing and R&D since 2014

XUANYUAN corporation was founded for implementing the globalization development strategy made in 2018 by the corporation. The corporation turnover is increasing steadily by 20%-30% yearly with the improving pedal market maturity from then on. Under the strategy, the corporation formed the international business dept in 2018, plans to enter the global supply chain and manufactures over 50% pedal models of foreign vehicle from 10 - 20 years, supply the high quality electronic accelerator pedals for global aftermarket.

CORPORATION INTRODUCTION



The corporation has hundreds of customers in domestic market and the products export to all over the world now, The corporation also is the supplier of the many big brand companies.



The corporation has passed IATF16949
Certification in 2021.

CORPORATION INTRODUCTION

The corporation is also an OEM enterprise in China.

The main customers include SHAANXI AUTOMOBILE GROUP, DONGFENG MOTOR CORPORATION, HELI FORKLIFT etc.



厂区介绍

FACTORY INTRODUCTION

03

FACTORY INTRODUCTION



The corporation has 6500m², including office area, test workshop, assembly workshop, semi-finished product warehouse, finished product inventory etc and has 4 production line including accelerator pedal, pedal sensor, Adblue level sensor etc. The production capacity reaches from 30000 to 50000 pieces monthly.

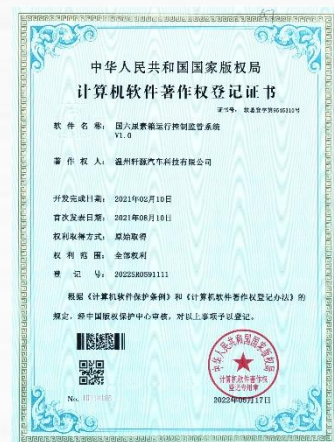
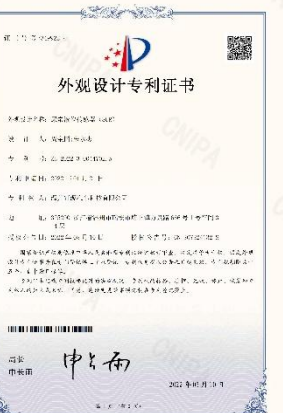
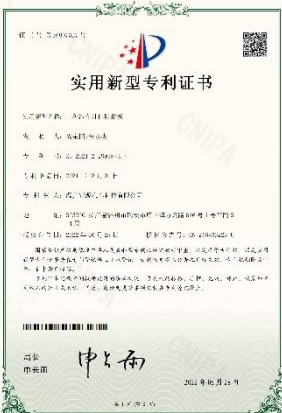
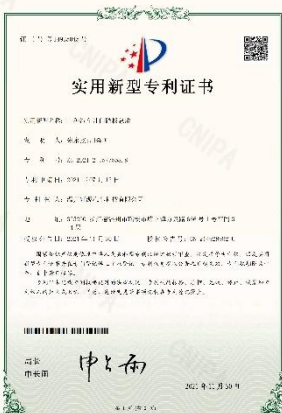
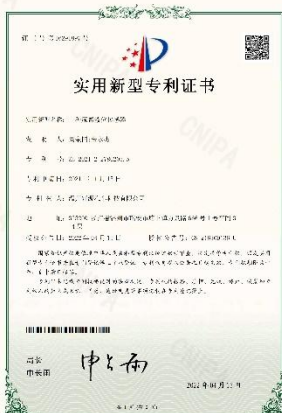
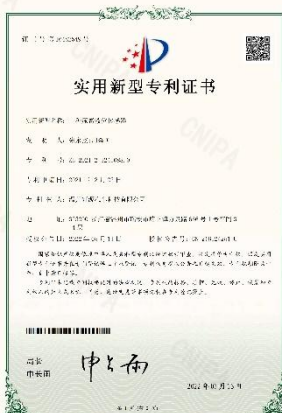
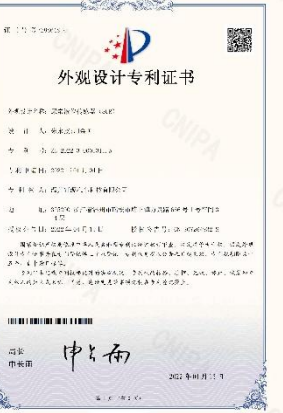
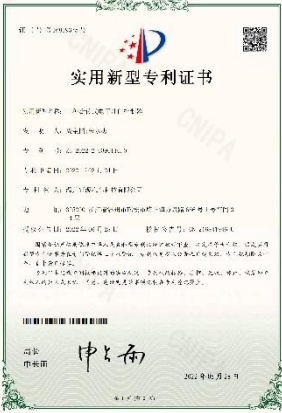
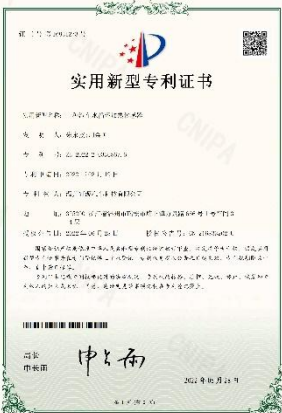
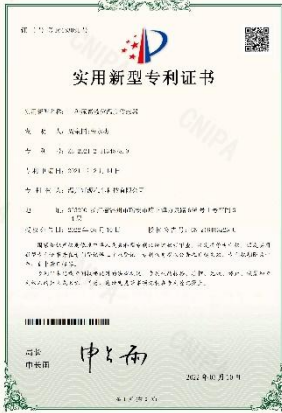
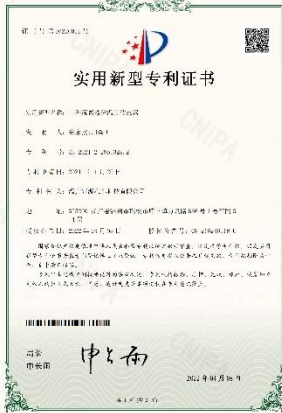


专利介绍

PATENT INTRODUCTION

04

PATENT INTRODUCTION



产品介绍

PRODUCTS INTRODUCTION

05

PRODUCTS INTRODUCTION



The corporation's leading products are electronic accelerator pedal, pedal sensor, Adblue level sensor. The corporation also produces fuel pressure control valves and other sensors.



电子油门踏板



Electronic Accelerator Pedal

Among the internal components of the motor vehicle, the device on the internal combustion engine that controls the fuel supply is called the throttle. Its function is to control the throttle opening to control the flow of combustible gas, change the engine speed and power, and adapt to the needs of vehicle driving. The traditional engine throttle control mechanism works by connecting one end of the cable or pull rod to the accelerator pedal and the other end to the throttle linkage plate. However, the application scope of this traditional accelerator is limited and lacks accuracy. In the rapid development of automotive electronic technology, an electronically controlled accelerator pedal came into being.

The electronic accelerator pedal is an electronic control device that controls the signal output of accelerator pedal depth and speed through electronic components such as position sensors, so as to realize the accelerator function. This signal will be received and interpreted by the on-board microcomputer (ECU), and then a control command will be issued to make the throttle valve quickly or gently open the angle that it should open according to the command. This process is accurate and fast, and there will be no mechanical wear.



电子油门踏板

Electronic Accelerator Pedal

电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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110012-0116	110012-0117	110012-0118	110012-0119
双叉	双叉	双叉	双叉

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

110012-0120	110012-0121	110012-0122	110012-0123
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双叉	双叉	双叉	双叉

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

110012-0168	110012-0169	110012-0170	110012-0171
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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

110012-0216	110012-0217	110012-0218	110012-0219
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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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电子油门踏板
Electronic Accelerator Pedal

轩源科技
XUANYUAN

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110012-0292	110012-0293	110012-0294	110012-0295
双叉	双叉	双叉	双叉

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尿素液位传感器

Adblue Level Sensor

In order to reduce the emission of harmful gases from diesel engine exhaust, SCR (Selective Catalytic Reduction) exhaust gas treatment technology is widely used internationally. Ammonia gas decomposed from Adblue reacts with NOx to generate pollution-free nitrogen N2 and water H2O.

Therefore, after diesel, gasoline and lubricating oil, Adblue has become the fourth most necessary for diesel vehicles, mainly used in trucks and buses. With the implementation of China VI vehicle emission standards, the government has become more and more strict in the control of Adblue.

The China VI vehicle emission standard puts forward more stringent requirements for automobile exhaust emission. The "driver alarm system" and the "driving performance limitation system" are used on the vehicle to monitor the exhaust emission in real time, so as to ensure the normal operation of the treatment system and make the exhaust meet the emission standard.

At present, the Adblue quality sensors on the market mainly use ultrasonic measurement technology. The Adblue quality sensors on the Adblue level sensor currently produced by our company can integrate many functions and meet China VI vehicle emission standards.



生产设备

PRODUCTION EQUIPMENT

06

PRODUCTION EQUIPMENT



Automatic pipe cutting machine



Automatic cutting



Automatic radiusing machine



Automatic make-up machine



Automatic welding machine



Automatic dispensing machine



Automatic gum-pouring machine



Automatic pedal testing bench



Automatic pipe bending machine

检验设备

INSPECTION EQUIPMENT

07

INSPECTION EQUIPMENT



Airtight testing bench



Airtight testing bench



Automatic pedal testing bench



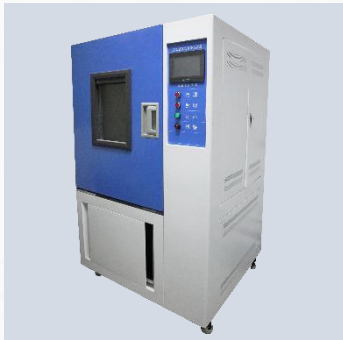
Durability testing bench



Image measuring instrument



Oscilloscope



High-Low temperature testing box



salt spray testing box



Calibration testing bench

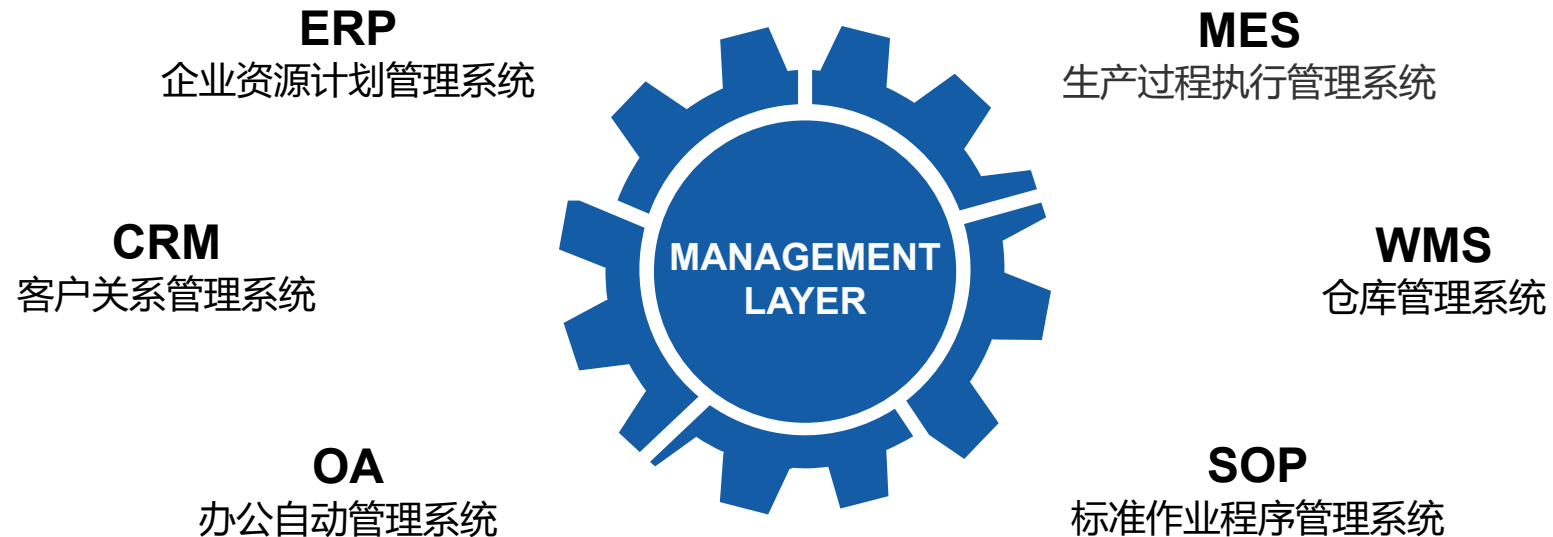
智能制造

INTELLIGENT MANUFACTURING

08

INTELLIGENT MANUFACTURING

The corporation has own R&D team, can design and develop the products by ourselves.
The corporation also started using the advancedly customized MES & ERP system in June in 2022 and began to implement product traceability.





**Your comments and suggestions
are welcome!**
