



COMPANY INTRODUCTION

Developing motors new future application,
striving to innovation for clients

Zhejiang Kaituo Electronics Co.,Ltd



Developing motors new future application,
striving to innovation for clients

- 1 ABOUT US
- 2 INTRODUCTION OF PRODUCTS
- 3 R&D QUALITY ASSURANCE CAPABILITIES
- 4 PRODUCTION CAPACITY
- 5 PARTNER CUSTOMERS

01

PART ONE

ABOUT US

- Company Profile
- Organizational Structure
- Corporate Values
- Development History
- Annual Sales
- Corporate Culture

Company Profile



About KaiTuo

Zhejiang Kaituo Electronics Co.,Ltd is an enterprise focusing on the production of automobile Wiper motor & Linkage, Radiator fan motor & assemblies, Blower motor, Running board system etc, with 36,325 square meters of standard workshop.

Staffing

The enterprise now has more than 280 full-time employees, including 20 managers and 50 technicians.

Equipment Scale

We have leading automated production lines, robot-assisted production workshops (punching, injection molding, die-casting, precision machining centers), quality testing centers, laboratories and other advanced manufacturing and testing equipment.

Development History



1985

At the beginning of the business, the enterprise was located in Zhangzhai, Tangxia, Rui'an, Zhejiang Province, with the main products: automobile wiper motors, door locks and so on.



1994

Ruian Kaikai was established, the predecessor of the enterprise is located in Chenzhai Industrial Zone, Tangxia, Rui'an, Zhejiang. Main products: automobile wiper assembly, fan motor.



2003

Changed its name to Zhejiang Kaituo Company, the predecessor of the enterprise is located in Shangjin Industrial Zone, Tangxia, Rui'an, Zhejiang. Products: automobile wiper assembly, radiator fan motor & assemblies, blower motor

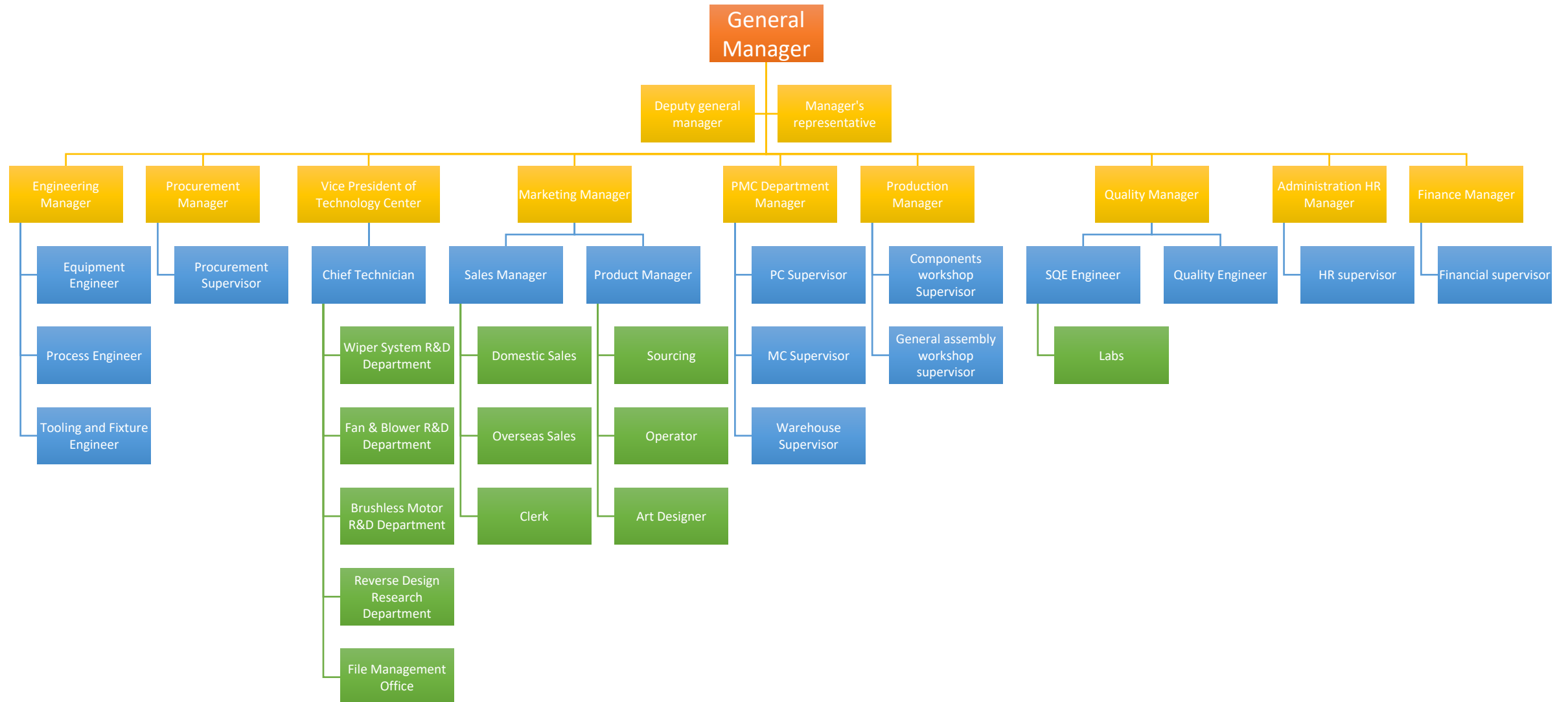


2016

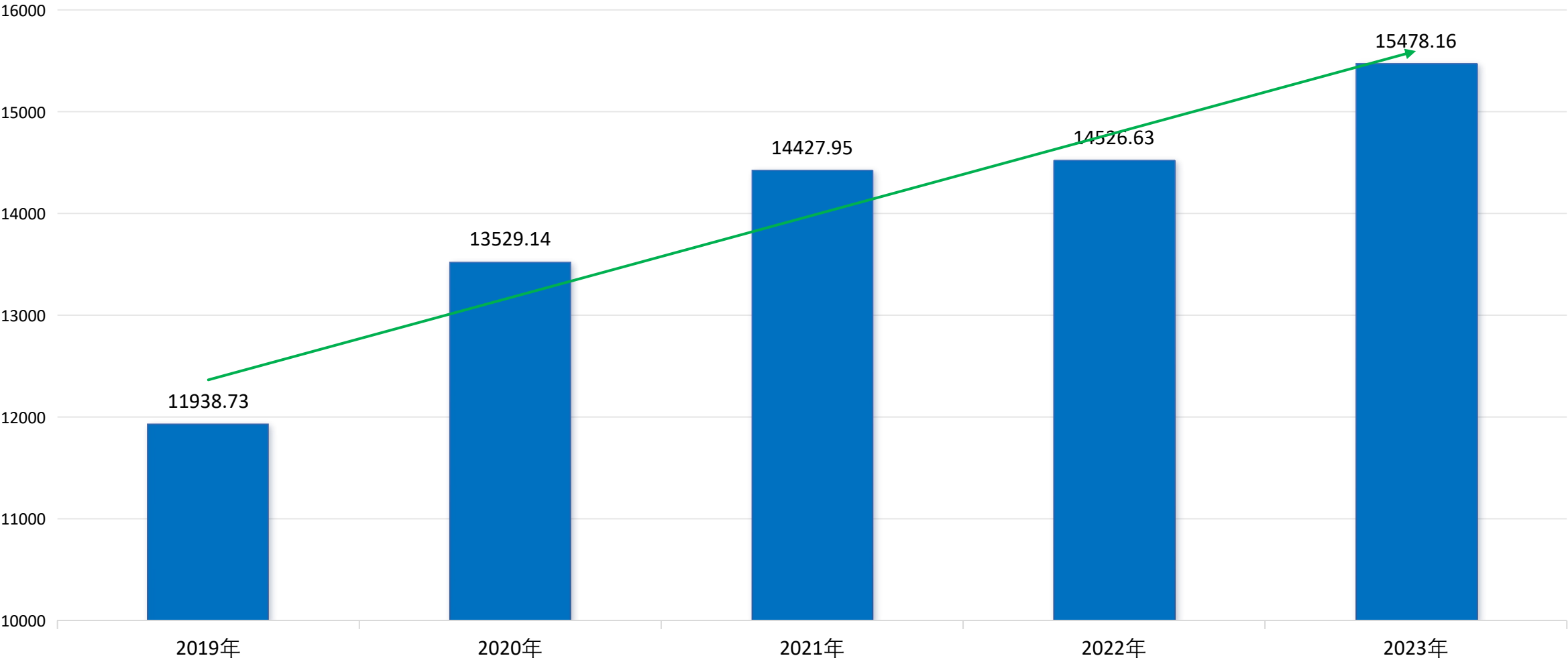
The company moved to Zhejiang Rui'an Nanbin Street Ge Xiang High-tech Industrial Park Wei Yi Road. Main products: Automobile wiper assembly, Radiator cooling fan, Blower Motor, Garage door motor, Running board system.

Since 1999, we have been obtaining ISO9000, CE, EMC, ISO/TS16949, ISO14001, ISO45001, IATF16949 certificates, etc.; we have been awarded "National High-tech Enterprise" in 2013 and "Specialized and New Enterprise" in 2023. After more than 30 years of development, the company has now become one of the main suppliers of automobile DC motor for aftermarket. The sales in 2023 has reached 154 million RMB.

Organizational Structure



Annual Sales (Unit: Ten Thousand RMB)



CORE VALUES

Creating value for customers is the starting point of all our business activities. Only when we bring value to our customers can we create social value, and only when we are an enterprise that promotes the society will we have a basis for our continuous operation.

The company takes "**Innovating motor applications, developing a better life**" as its mission, and "**To be a new benchmark in the motor production industry, to create a common development platform for the enterprise and employees**" as its vision.



Integrity Diligence Innovation Win-Win

Corporate Values



Table Tennis & Billiards



Staff Training



Birthday Party



Women's Day



Mid-Autumn Festival



Tug of War Tournament

02

PART TWO

PRODUCTS INTRODUCTION

- Distribution Showcase
- Product Categories
- Innovation Highlights

Products Distribution Display



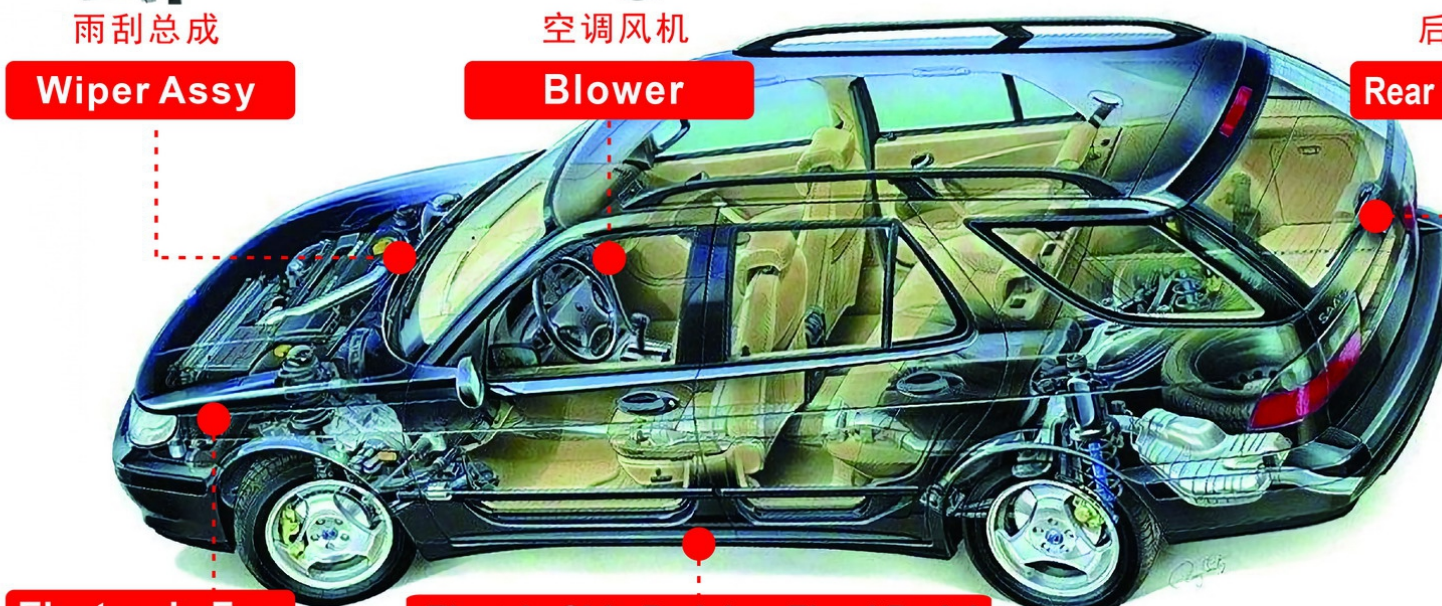
雨刮总成
Wiper Assy



空调风机
Blower



后雨刮电机
Rear Wiper Motor



Electronic Fan

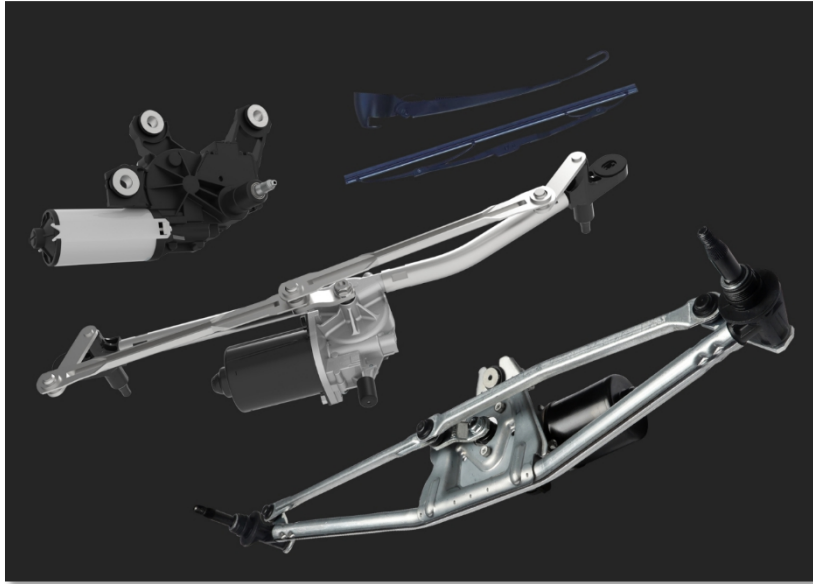
电子扇



Electric Side Pedal or Fixed Pedal

电动侧踏板或固定式踏板





Wiper Assy



Radiator Fan



Blower

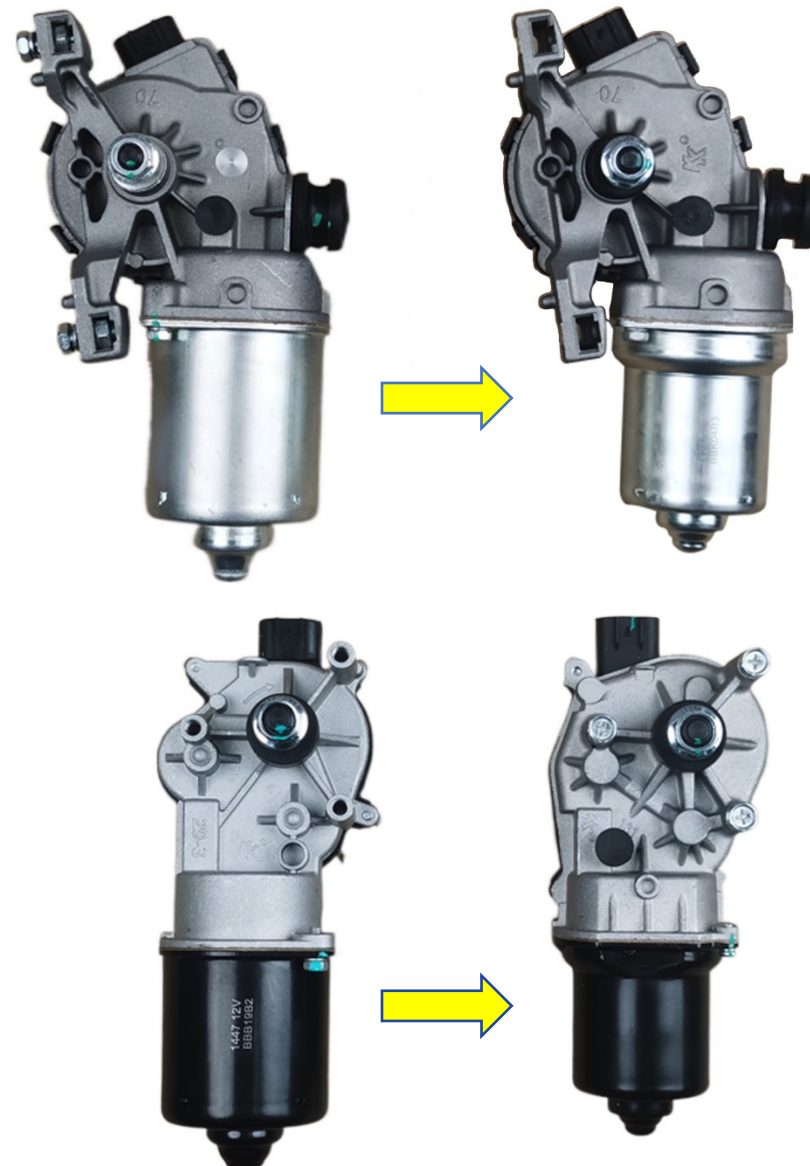
Innovation Highlights

This patent applies to all brushed motors



Patent No.: ZL202110743546.6

Program: Through the multi-polar DC permanent magnet motor rotor winding method, so that the product performance remains unchanged, **the volume is reduced by 20%, the weight is reduced by 20%**; to achieve the core process of **product lightweighting**.



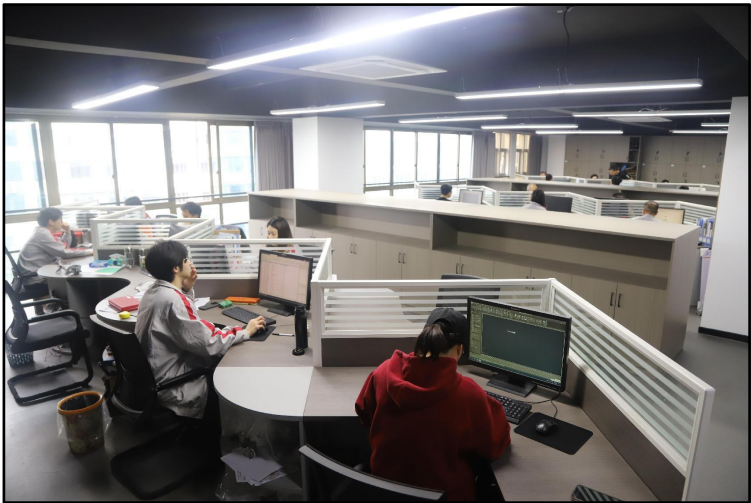
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PART THREE

R&D QUALITY ASSURANCE CAPABILITIES

- Development Capability
- Laboratory Equipment
- Certificates
- Testing Capability
- Intellectual Property
- Honor

Development Capability



Distribution of staff positions

● R&D Manager: 1 person

Middle Engineer

● Technology General Engineer: 1 person

Senior Engineer

● Wiper Motor Project Engineer: 3 person

Junior Engineer

● Fan Assembly Project Engineer: 3 person

Junior Engineers

● Blower Project Engineer: 3 person

Middle Engineers

● Product Process Engineer: 6 person

● Electronic Design engineer: 2 person

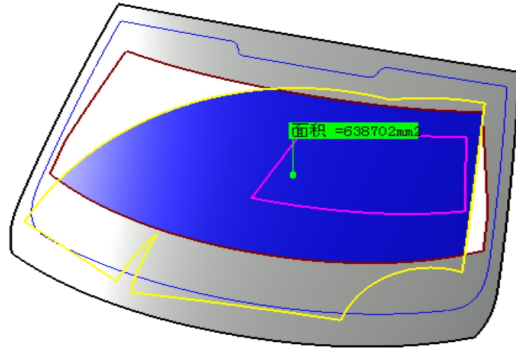
● Advance Quality Engineer: 3 person

● Project Engineer Assistant: 6 person

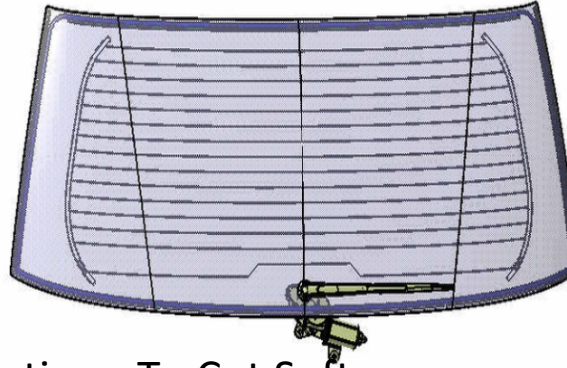
● Mold Design Engineer: 4 person



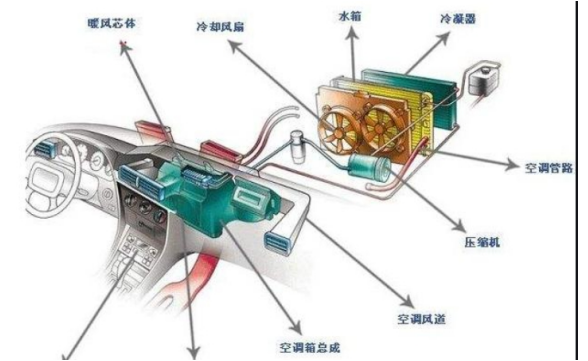
Development Capability



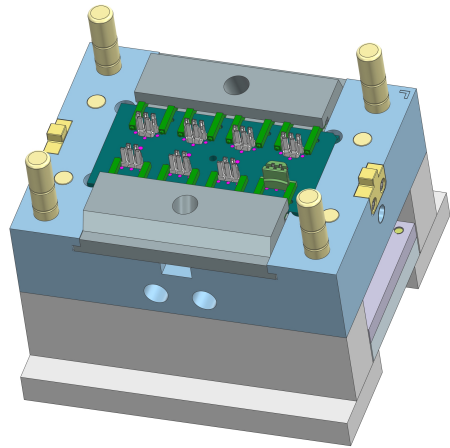
Simulation - TryCut Software



Simulation - TryCut Software



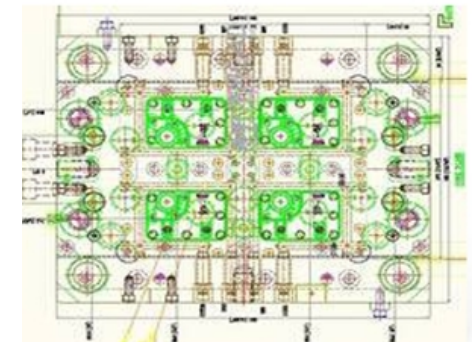
Simulation - TryCut Software



Mold design - UG software



Mold solid - CATIA software



Mold drawing Conversion - CAD

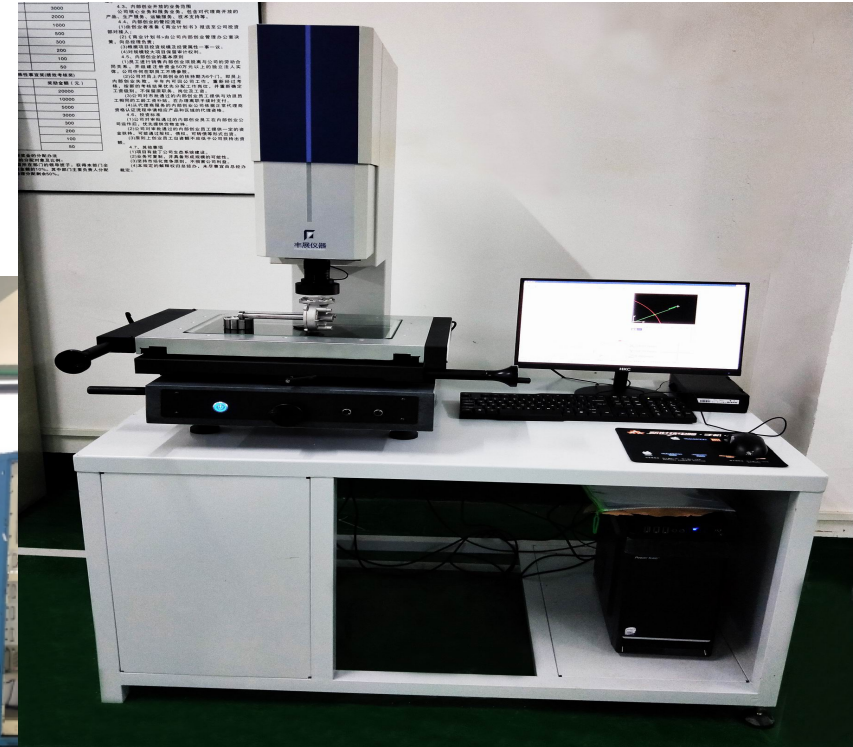
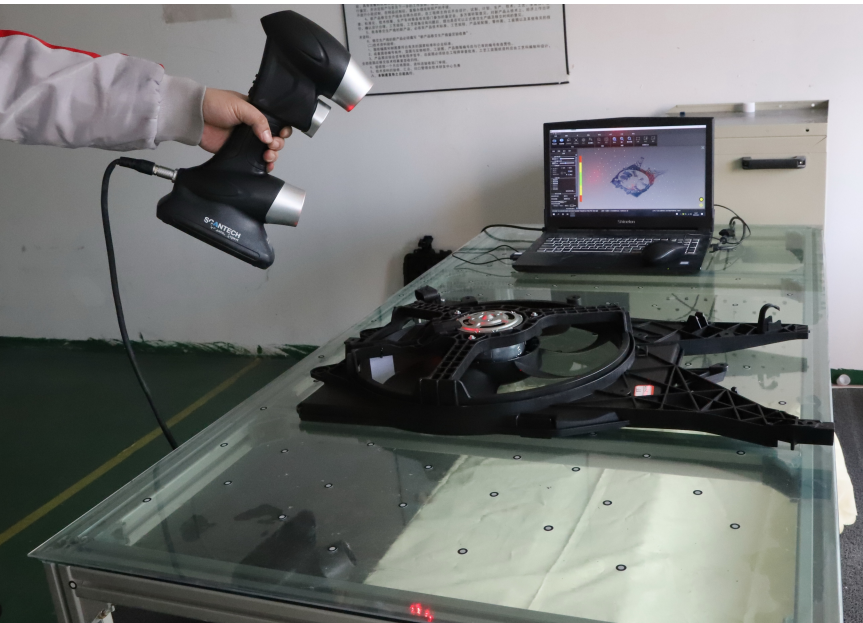
Inspection Capability



DC Motor Data Acquisition Center



High-precision 3D Data Acquisition



Two-dimensional Image
Measuring Instrument

Experimental Equipment



Hexagon CMM



Spectrometer



Gear & Worm Tester



Walk-in High and Low Temperature
Alternating Humidity Test Chamber



Wiper Assembly
Comprehensive Endurance
Test Bench



Fan Assembly
Balance Tester

Experimental Equipment



Salt Spray Test Chamber



Spring Tension Tester



Constant Temperature Test Chamber



Sand and Dust Test Chamber



Fan Blade Balance Tester



Noise Test Chamber



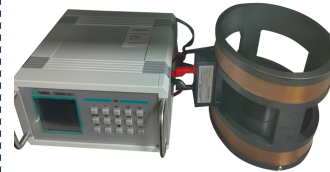
Rockwell Hardness Tester



Height Gauge



Push-Pull Tensiometer



Flux Meter



Polarization Measuring Instrument



Drenching Rain Test Chamber



Current Oscilloscope



Digital Bridge Instrument



Withstand Voltage Tester



Pull-off Force Gauge



Roughness Measuring Instrument



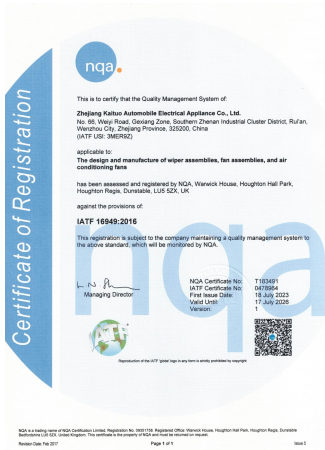
Resistance Tester

Intellectual Property



We currently hold **22** patents of which **10** are invention patents, **3** are appearance patents, **3** are utility patents and **6** are pending invention patents.

Company Certificate



IATF16949-2023



ISO14001-2023



ISO45001-2023



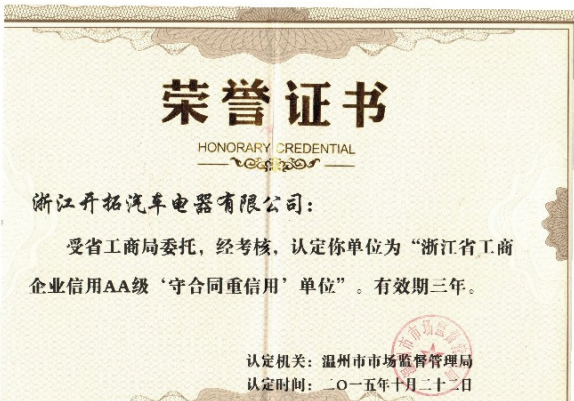
Zhejiang Quality Manufacturing



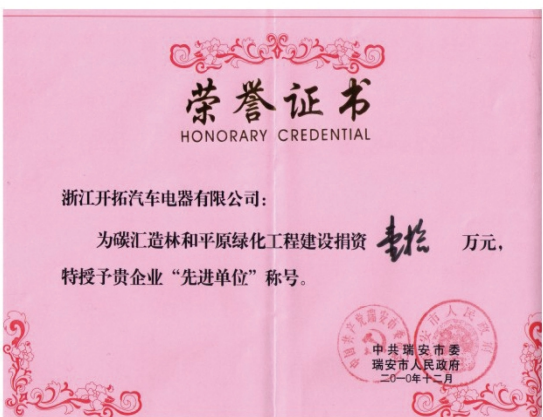
National High-tech Enterprise



Specialized and New Enterprise



Contract-keeping and
Credit-keeping Unit



Certificate of Contribution
for Greening Works

04

PART FOUR

PRODUCTION CAPACITY

- Automation Capabilities
- Manufacturing Ability

Automation Capabilities



Fully Automatic Robotic Plastic Injection
Molding



Fully Automated Robotic Die-casting Workshop



Fully Automatic Armature Production Line



Lean Flow Precision Machining Line



Automated
Production Line

Scale

Fully Automatic
Die-casting

2 sets

Automatic
Armature
Production Line

4 sets

Precision
Machining

13 Sets Servo
Tapping and
Drilling Machines +
4 sets CNC
Machining Centers

Plastic Injection
Molding Machine

16 sets

Manufacturing Ability



Motor Assembly Line



Stamping Workshop



Armature Production WorkshopPlastic Injection Molding Workshop



Product	Annual Production/pcs
Wiper Motor /Assembly	971000
Fan Motor /Assembly	275000
Blower Motor	462000

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PART FIVE

PARTNER CUSTOMERS

- OE
- Aftermarket



FAW Fuao -Blower



Yaxing Bus -Wiper Assy



Jiangnan Automobile-
Wiper Assy



Kama Motors-
Wiper Assy



Wuzheng Agricultural Truck-
Wiper Assy



LADA-Radiator Fan Motor



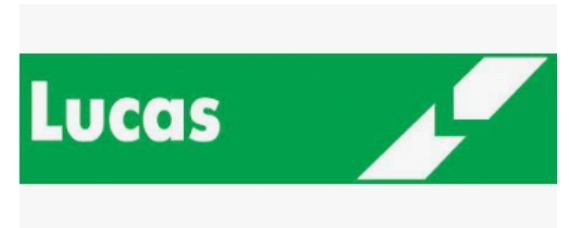
FORD-Radiator Fan motor,
Wiper Motor



GM-Radiator Fan Motor



Marelli- Radiator Fan
Wiper Assy, Blower



Lucas-Radiator Fan,
Wiper Assy

Aftermarket Clients



Product Applications



Passenger Cars



New Energy



- Wiper Motor & Linkage: 1344 sku
- Radiator Fan Motor & Assemblies: 1302 sku
- Blower: 331 sku

Covers most of the car applications for aftermarket.

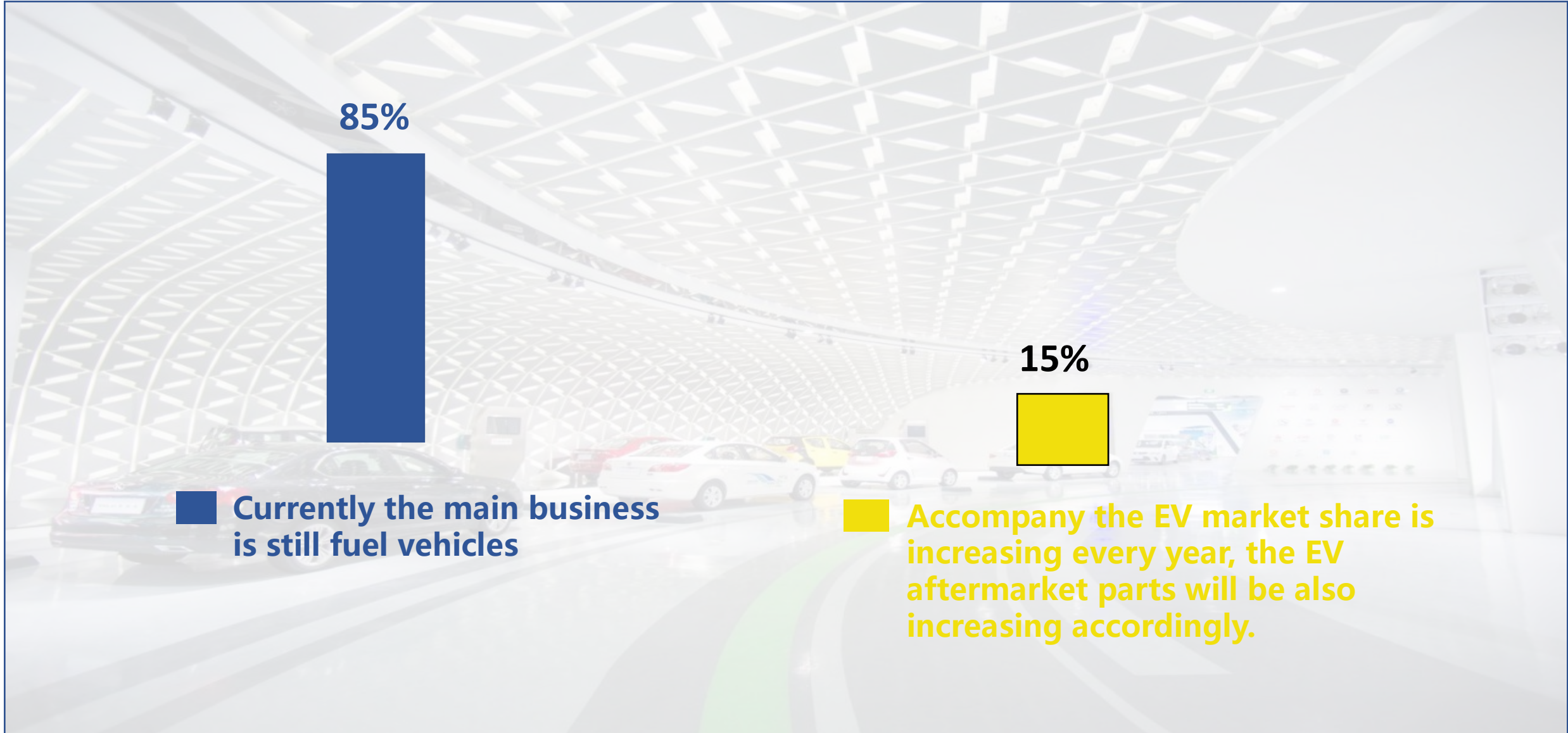
New items released daily...

Commercial Vehicles



Light Trucks

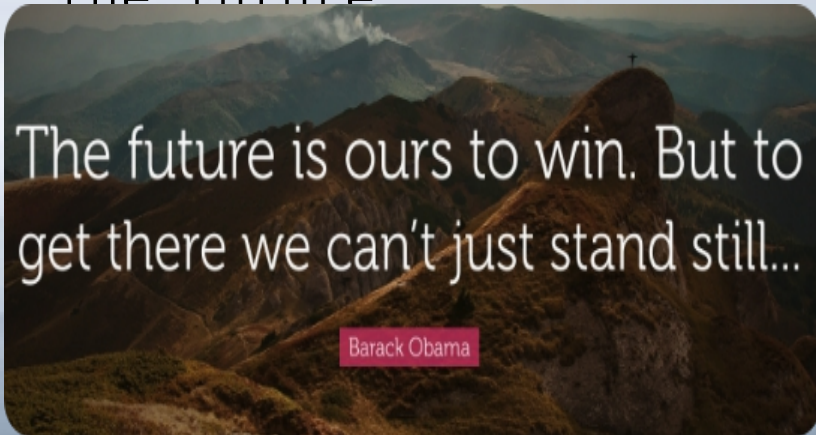




Development Goal



- Innovation & Transformation
- Cooperation in the spirit of WIN-WIN is the basis for business prosperity now and in the future



Market globalization

Layout of the global market and resource distribution, improve competitiveness, enhance competitive position, to maximize the realization of corporate objectives.



Brand Value Added

1. High quality 2. High unique 3. High reputation
4. High credibility 5. High coverage 6. High value added



Product "three"

It refers to a systematic method of designing and manufacturing products with good applicability in accordance with the principles of standardization, serialization, and modularization in product design, with the least time, the most economical investment, and the most mature technology.



Management Digitization

1. Improve decision-making efficiency 2. Improve management efficiency 3. Improve business quality
4. Reduce operating costs 5. Improve the competitiveness of enterprises





Thank you.
Looking forward to
cooperation with you!