



中国国际进口博览会
CHINA INTERNATIONAL
IMPORT EXPO

Exhibitor & Exhibit Information of the Third China International Import Expo

General No. 13

Automobile (No. 1)



新 时 代 共 享 未 来
NEW ERA, SHARED FUTURE



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It is hereby declared.

Contact: zsc@ciie.org

China International Import Expo Bureau

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Introduction to Exhibition Area

The Automobile Exhibition Area of the 3rd CIIE is planned to cover an area of 30,000 square meters. It will continue to focus on brand-name cars, auto parts, auto electronics products and auto accessories. Meanwhile, great efforts will be made to build it into a special area demonstrating smart mobility, which will place the emphasis on the themes concerning smart mobility, display the latest technologies such as automatic drive, intelligent network, intelligent cockpit, IVICS (Intelligent Vehicle Infrastructure Cooperative Systems), control system and core sensor, deeply concentrate on advanced ideas of the global automobile industry, show the future development trends of smart cars and smart cities, and aim to become the platform for newly released products from the forefront of the overseas automobile industry to the Chinese market.

The Automobile Exhibition Area of the 3rd CIIE will continue to play its role as an international procurement platform, an investment promotion platform, a cultural exchange

platform and an open platform for cooperation. It will strive to introduce a number of world-leading products, technologies and services, strengthen the connection of exhibitors, trade matching, R&D cooperation and investment implementation, handle the pain points in the development of the automobile industry chain, and empower the innovation and upgrading of the domestic automobile industry, so as to create a high-end platform and the first-choice place for politics-research-university exchanges and cooperation among global exhibitors.



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Bosch

◆ Brief Introduction to Exhibitors

In 1886, Mr. Robert Bosch founded the "Precision Mechanical and Electrical Engineering Workshop" in Stuttgart, from which Bosch was born. Bosch has participated in the First and Second CIIE. It has four business areas: automotive and intelligent transportation technologies, industrial technologies, consumer goods, and energy & construction technologies. Bosch is committed to achieving a sustainable, safe and exciting vision of intelligent transportation. With the expertise in sensor technology, software and the service area, as well as its own cloud platform of the Internet of Things, Bosch provides customers with one-stop, cross-domain interconnector solutions.

Official Website: www.bosch.com.cn

Contact Person: Yang Kai

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◆ Highlights

BIG (Bosch Intelligent Glove)

Bosch Intelligent Gloves implement a real-time simulation of hand

movements by embedded MEMS sensors to collect and analyze operational data. It is flexible and easy to use.



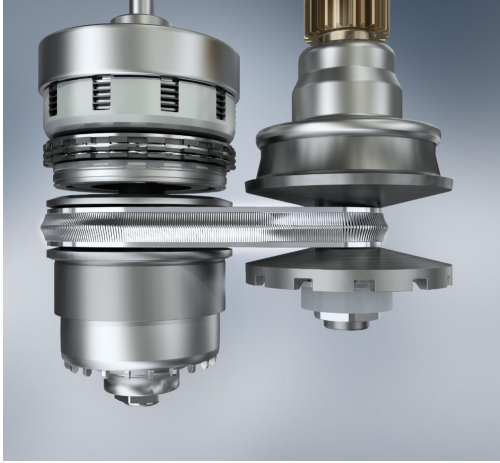
Picture 1: Advertising Picture of Bosch Intelligent Glove

V2X

The V2X always automatically selects the most stable and cost-effective connection type depending on the particular requirements, whether it is for direct vehicle-to-vehicle communication, exchanging information with the infrastructure, or uploading and downloading packets.



Picture 2: Product Diagram of V2X



Picture 3: Product Diagram of CVT

Pushbelts for the Continuously Variable Transmission

Bosch is the market leader in R&D and mass production of pushbelts for the continuously variable transmission (CVT). Since 1972, Bosch has continuously injected capital to promote the further development of CVT, and has been innovating in the field of CVT technology.

Bosch IoT Suite

With the Bosch IoT Suite, Bosch provides customers and partners with a comprehensive software platform for the Internet of Things (IoT). It has all the key middleware functions needed to build complex IoT applications.



Picture 4: Advertising Picture of Bosch IoT Suite

Power Electronic Unit INVCON3U

As an important component in new energy vehicles, it is an integration of inverter and DCDC converter. It controls and monitors E-machine through an inverter to ensure the reliable output of torque to the power system for the better driving experience. At the same time, the high voltage stored in the battery is transferred to low voltage through DC-DC converter for equipment load.



Picture 5: Product Diagram of Power Electronic Unit

INVCON3U



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Aisin Group

Brief Introduction to Exhibitors

As a Japanese auto parts manufacturer, Aisin Group provides products for all aspects of automobiles including transmissions, engine-related products, brakes and chassis, body parts, information electronics and others. Aisin Group's customers are not only limited to Japan, as it also trades with companies across the world dominated by companies of China, Europe and the United States. Aisin Group has participated in the First and Second CIIE.

Official Website: www.aisin.com

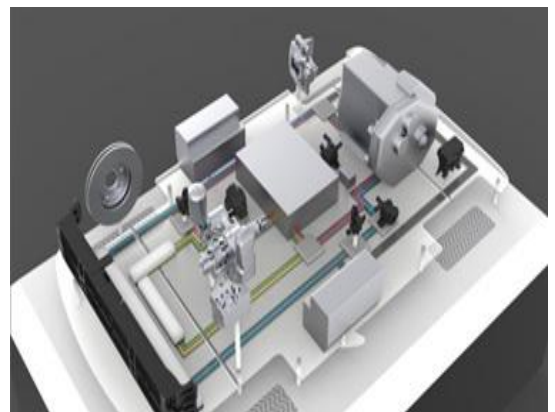
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◆ Highlights

AISIN EV System

The "AISIN EV System" demonstrates Aisin Group's broad electric vehicle-related product line-up and the strong ability to provide system solutions. Aisin Group has a wide range



Picture 6: Product Diagram of
AISIN EV System

of products that can improve the mileage of electric vehicles to meet the needs of the electric mobile society in the future.



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Webasto

◆ Brief Introduction to Exhibitors

Webasto was founded in 1901 and headquartered in Stockdorf, near Munich, Germany. It has participated in the First and Second CIIE. In 2019, Webasto reached sales of EUR 3.7 billion and had established more than 50 branches across the world (of which more than 30 are production bases) with more than 14,000 employees. Webasto is the partner of almost all global automakers in innovation systems and one of the world's top 100 suppliers of auto spare and accessory parts. Its core business includes the development and production of sunroofs of all types of automobiles, roofs of convertibles, heating systems, power battery systems of new energy automobiles and charging solutions. In addition, Webasto provides customized installation solutions and services for heating and cooling systems and electric travel.

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◆ Highlights

Automatic-drive Intelligent Roof Module

The product was newly released in China. With decades of accumulation of experience and development of capabilities, Webasto has been able to integrate transparent, openable sunroof systems with sensors, and make the roofs exceptionally rigid. As an automatic-drive intelligent roof module integrating sensor, camera, antenna and openable sunroof, it is beautiful and perfectly integrated with the car body. The roof module is made of top lightweight polycarbonate to achieve accurate thermal and cleaning management of sensors.



Pictures 7 & 8: Advertising Pictures of
Automatic-drive Intelligent Roof Module

Show Car for High-efficiency Electrification Solutions

It has integrated Webasto's innovative solutions to new energy vehicles, including power batteries, charging piles, heaters and openable panoramic sunroofs.



Pictures 9 &10: Adverting Pictures of Show Car for High-efficiency Electrification Solutions

Gesture & Rainfall-sensing Xtra Large Panoramic Sunroof

The panoramic sunroof can be controlled by gestures without people diverting attention to it, which can improve driving safety; with the rain-sensor interface, the sunroof can be automatically closed in rainy days, bringing to people the excellent intelligent-driving experience; with full-glass appearance, it looks exquisite and luxurious; with its electric large-size full light-shading crankshaft curtain system, it allows a more comfortable headspace for people; its coated wind-proof net, along with folding side baffle can minimize noise.



Picture 11: Advertising Picture of Xtra Large Gesture & Rain-sensing Xtra Large



Picture 12: Advertising Picture of High-voltage Heater

High-voltage Heater

It won the "Automotive Innovation Technology Award 2019" presented by the magazine *Automobil Industrie* and the "Gasgoo Award 2019" presented by the website of "Gasgoo".

The high-voltage heater is an innovative solution developed by Webasto engineers and technicians with the new patented heating layer technology through years of painstaking research. High power, high thermal efficiency and high reliability are the three core indicators of the high-voltage heater. The HVH100 and HVH70/50 designed for different automobile types can maximize power, start automobiles in the fastest way and they will not be affected by environment and temperature.



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HRC

◆ **Brief Introduction to Exhibitors**

HRC is the world's leading provider of integrated solutions to lightweight composite materials, and it specializes in the design, engineering development and industrial manufacture of high-performance carbon-fiber composite products. HRC's engineering research and development team, based in the UK, has 26 years of experience in the composite industry. HRC provides material analysis, design, simulation & testing, engineering consulting and other professional services. Its clients include F1, Bentley, BMW, Mercedes-benz, Jaguar, Land Rover and many other international famous auto brands.

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◆ **Highlights**

Carbon-fiber Engine Hood

The engine hood in mass production developed by HRC for

European OEMs weighs only 12 kilograms and has stable mechanical properties; it boasts high weather resistance, high-temperature resistance and oxidation resistance, and shows excellent energy absorption property and anti-seismic property.



Picture 13: Product Diagram of Carbon-fiber Engine Hood

Carbon-fiber Spoiler



Picture 14: Advertising Picture of Carbon-fiber Spoiler

The unibody carbon-fiber spoiler is chic in appearance. After installation, the pressure on the lower part of the automobile is generated by airflow, which makes its tires grasp the ground tightly and improves the driving stability of the automobile.

Carbon-fiber Child Seat

Excellent safety performance: it meets the regulatory requirements of GB27887\ECER 44\ECER129 in the direct impact, the side-impact, the misoperation and other testings;

its lightweight design has significantly decreased its weight: compared with the child seats equipped with ISOfix interface on the market, this carbon-fiber seat is more than 30% lighter, making it portable enough;

low-cost production process: low-cost VARI liquid-molding process is used to give full play to such advantages of carbon fiber as high strength and lightweight; smooth surface and appearance giving a sense of high-tech: 3K carbon-fiber cross-grain plus varnish; the seat as a whole is bright, clean and beautiful, and makes people feel that it is designed in different layers with high technology.



Picture 15: Product Diagram of Carbon-fiber Child Seat

Carbon-fiber Whole Left Sidewall

The HP-RTM process is used in individual parts to meet customer requirements for the molding cycle and product performances, and it has achieved technological breakthroughs in manufacturing accuracy and technology for large-size and complex modeling.



Picture 16: Product Diagram of Carbon-fiber Whole Left Sidewall

Composite Battery Box Upper Cover



Picture 17: Product Diagram of Composite Battery Box Upper Cover

It is made of glass-fiber sheet molding compound (SMC) basis material and continual carbon fiber strengthened material. At 980 x 550 x 280 mm, it weighs less than 5 kilograms. The embedded

metal insert is integrated with the SMC basis material, so there is no need to cement additional metal parts, which improves the strength and rigidity of the connecting parts.

Carbon-fiber Hydrogen Storage Tank

The lightweight type-4 high-pressure hydrogen storage tank has a radius of 0.35 meters and a length of 0.7 meters. Its working pressure reaches 700 bars, and it can store about 0.4 kilograms of hydrogen. The hydrogen storage tank is manufactured by the wet winding process, and its inner is made of polyamide (PA) and a layer of winding carbon-fiber composite, which can help protect the tank.



Picture 18: Product Diagram of Carbon-fiber Hydrogen Storage Tank

Epson WF-M20590a
Monochrome Printer



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Official APP



Official WeChat

We are looking forward to seeing you at the 3rd CIIE.

