South China International Industry Fair

2 - 5 June 2020
Shenzhen World Exhibition & Convention Center

www.sciif.com

Application Deadline: 31st March 2020
Artificial intelligence in industry and robotics, the potential of the new 5G mobile communications standard for industrial applications, and the future of work in a time of increasing digitalization were this year’s most important topics at HANNOVER MESSE - the world’s leading trade show for industrial technology.

Founded in 1947, HANNOVER MESSE is the world’s largest trade show for industrial technology and also the initial starting point of “Industry 4.0.” After the concept of “Industry 4.0” was announced at HANNOVER MESSE in 2011, HANNOVER MESSE continuously demonstrates the progress of the integration of industries and its practices in standardizing production processes, lowering the cost and material consumption and improving the efficiency. In the past 8 years, HANNOVER MESSE showed the integration practices leading by information communicating technologies among the whole industry value chain, including product design, production planning, production process, logistics and services.

Founded in 1999, China International Industry Fair becomes one of the most influential international industry trade shows. It's professional, market oriented and brand oriented performances are well recognized. It is the important trading and communicating platform for connecting China with the world in sense of industry development. Thanks to the practical applications of the cutting-edge technologies such as artificial intelligence, 5G and edge computing, the industry of the future is steadily moving towards large scale flexible production, full process transparent production, distributed production and intelligent automated production era. From product design, manufacturing to transportation and services, the global industrial value chain will be reshaped.

Benefited by the Greater Bay Area development, as one of the largest and most influential industry fairs worldwide, South China International Industry Fair (SCIIF) is dedicated to display the future look of the industry, put focus on China intelligent manufacturing. The product categories include process automation, machine vision, industrial robots, new generation of information and digital factory solution, metal working and laser equipment, industrial components and new material. SCIIF is going to be the interpretation of how innovative technologies helping the development of industrial productions and value chain.

South China International Industry Fair is going to take place at Shenzhen World Exhibition and Convention Center during 2-5 June, 2020. We are looking forward to welcoming you in Shenzhen.

Hannover Milano Fairs Shanghai Ltd.
As the joint venture company in China between Deutsche Messe AG and Fiera Milano Spa, Hannover Milano Fairs Shanghai with years of exploration and development in Chinese market, has obtained quite a lot experience in successfully running top-level international trade fairs. Every year it organizes more than 20 leading trad fairs across China, covering the industries of manufacturing, automation, intralogistics, automobile, travel and internet. In the meanwhile, Hannover Milano Fairs invite outstanding Chinese companies to more than 60 trade fairs spanning over 20 industry topics in Germany, Italy, India, Turkey, Russia, the United States and Canada. And the company has it’s subsidiaries in Guangzhou and Beijing.

Donghao Lansheng (Group) Co., Ltd
Donghao Lansheng (Group) Co., Ltd. is a large-sized state-owned backbone enterprise group in China’s modern service industry, it focuses on three core businesses namely, human resources service, exhibition & events service and international trade service. Currently, DLG Exhibition & Events group has been built into an all-value chain enterprise in the exhibition industry. It has accumulated rich experience in undertaking brand exhibitions and events such as CIIF, CSITF, East China Fair, APPPEXPO.
What are the driving forces in the industry?
IAS

Leading Trade Fair of Integrated Automation Technology

By bringing together the leading automation manufacturers, the show is able to showcase the core technologies and cutting-edge products in automation industry. The main focuses are the practices of Industry 4.0, Embedded Technology Pavilion, Motion and Drive System Pavilion, Intelligent Sensor Pavilion and Power/Transmission Pneumatic Pavilion.

Product Category
- Core smart hardware of industrial automation
- Industrial automation intelligent manufacturing technologies and related testing equipment
- Industrial robot ontology, core parts and other smart equipment
- Overall smart manufacturing solution

Root in the Industrial Cities, Build New Growth in Pearl River Delta Area
Guangdong, Hong Kong and Macau Bay Area is one of the most important Bay Areas in China. China plans to build a world-class megaregion here to compete with New York Bay, San Francisco Bay and Tokyo Bay. Guangdong, Hong Kong and Macau Bay Area has a complete supply chain. In addition to high-tech companies, traditional manufacturing industry has a long history in this area. The reforming and upgrading needs from traditional manufacturing industry bring the opportunities to the segments like, Artificial Intelligence, Intelligent Manufacturing, Robotics, New Material, Cloud Computing, Industry IoT, New Information Technology. It also provides wide space for the development of servicing industries such as, R&D, Logistics, Financial Service, Information Technology, Business Consultancy, Energy Efficiency and Environment Protection.
RS - The Technology to Boost the Upgrading and Transformation of Manufacturing Industry

At present China’s robotics industry is having a rapid growth, industrial robots applications in China becomes the world’s largest market for years. As the key technology of intelligent manufacturing, the development of robotics industry is highly regarded. Robotics Show in South China International Industry Fair is going to adapt to South China market, showcase the cutting edge robotics products, technologies and solutions, in the meanwhile provide a platform for cooperation between suppliers and end users, help the intelligent equipment upgrading in South China as well.

Focus on South China Market, China’s Leading Robotics Application Market

With the government support to robotics and manufacturing industries, the development of robotics market is increasing continuously. According to statistics from Guangdong provincial government, one out of every five industrial robots in China comes from Guangdong province. Under the policy “Made in China 2025”, intelligent manufacturing reforming and upgrading, South China will continuously be the locomotive of robotics industry. In the fields of electronic information, food, medical, building materials and metal working, industrial automation are given priorities, and the output value of the robot manufacturing industry will reach 60 billion yuan (about 9 billion US dollars). Combining a number of advantages, coupled with the country’s strong encouragement to develop original brands of industrial robots, it is expected that the prospects of intelligent manufacturing in South China will continue to flourish.

Product Category


- Total Solutions for Varieties of Industries: 3C (mobile phone inspection, polishing and assembling), automobile, food and beverage, plastic and rubber processing, metallurgy and metal working, chemical, bio-pharmaceutical, home electric appliance, kitchenware, bathroom products, packaging and printing, logistics, security products, new energy, environment protection.

- Core Component: sensor, controller, reducer, servo motor and related software.

- Professional Service Robot: housework robot, entertaining robot, disability assisting robot, residential safety and surveillance robot, virtual robot, drone

- Special Task Robot: site robot, specialized cleaning robot, medical purpose robot, logistics robot, inspection and maintenance robot, building robot, under water robot, defense rescue and safety application robot
Machine Vision

Machine Vision Plays an Indispensable Role in Modern Factories

Under the frame of Intelligent Manufacturing — Machine Vision is an important part of intelligent manufacturing. It features the machine with "eyes," so the machines can function more intelligently, improving production efficiency and product quality. Artificial Intelligence adapts to tougher production environments with high automation, high efficiency and high precision, which changes the life of human being and changes the world. Internet, big data and supercomputing, sensors and the needs of economic development drive artificial intelligence to develop fast and cross industries. Human-machine collaboration, collective intelligence and self-programming are the new traits of artificial intelligence, and machine vision plays an important role in these developments. Machine vision is the compulsory need for industry automation and intelligent manufacturing. Industry 4.0 is based on intelligent manufacturing, and intelligent manufacturing can’t be achieved without the help from machine vision. At present, China has become the third largest market of machine vision after the US and Japan and the market potential is growing.

“Eyes of the Machine” AI technologies are the Future Technology
It is expected in 2025 there will be a breakthrough of the basic theory of artificial intelligence, and some technologies and applications will reach the leading position in the world. Artificial intelligence is becoming the main driving force of China’s industry upgrading and reforming, and machine vision is to help it achieve the goal.

Product Category
- Smart Camera
- Board
- Software Package
- Accessories
- Industrial Lens
- Light Source
- Subsidiary Products
- Image Processing System
- Machine Vision System

At present, domestic machine vision manufacturers are mainly located in Pearl River Delta, Yangtze River Delta and Bohai Rim Region.

38.7% 13.1% 30.8% 17.3%
Pearl River Delta Yangtze River Delta Bohai Rim Region Others
In recent years, many sheet metal manufacturers are developing towards IoT, automation and flexible production. Leading international machine tool players start to establish automated production line by merging and acquisition. The integrated intelligent solutions are more and more in common use. Based on this trend, digital sheet metal processing will cooperate with various industries and vertical fields to stimulate innovation and continue to create value for society.

Accurate, Market Positioning, Capture Industry Trends
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Digging Cutting-edge Technologies, Help the Development of Intelligence
At present, the world’s leading manufacturing technology is constantly emerging. The application of ultra-high-speed cutting, ultra-precision machining, flexible manufacturing systems and computer integrated systems, are helping the machine tool industry to build high speed, high accuracy, multi-functional, intelligent, CNC programmed, automated products with high reliability and smaller size. Intelligent machine tool products become the trends in terms of customer needs.

Product Category
- Additive Manufacturing
- Metal Cutting
- Metal Forming
- Software and System
- Automation and Robotics
- Tools, Gauges, Clamping Tools
- Measuring Tools

Trend-oriented, Build Efficient Sales Platform
According to the statistics, there are 40,000 sheet metal manufacturers in China, the annual production capacity is 52 million ton, and total sales reach RMB 600 billion. China machine tool industry is developing towards the direction of high speed, high precision and high added value. In recent years, the stainless steel sheet metal processing industry has been accelerated and upgraded from individual players to a modern industrial cluster. To serve the needs from this industry, precision, systematic and intelligent products and technologies are most needed, in the meanwhile finished and half-finished sheet metal products are also in high demand.
LASER FAIR is dedicated to laser processing technologies and their innovative applications. The exhibit categories include lasers, optical material, optical and optical processing, intelligent equipment, imaging technology, inspection and quality control, robotics, flexible production equipment, laser processing equipment, 3D printer, and their applications in automobile, metal processing, electronic, IC, telecommunication, medical, energy, railway and home electronic appliance industries. Under the strategic Greater Bay Area development framework and favored by national policy, Laser Fair is aiming to establish a whole industry trading platform by fully using and integrating the laser industry resources. It is also aiming to lead the laser industry upgrading.

**Laser Processing Pavilion**

By 2022, the global laser technology market is expected to reach US$15.38 billion, with a compound annual growth rate of 5.2% during 2017-2022. China’s industrial laser industry has become one of the most highly-regarded industries. Shenzhen as the base of material providers, manufacturing factories, end users and R&D centers of laser industry, with its own advantages and government subsidies, will continuously promote advancing laser technology applications to help the industry upgrading and reforming in South China.

**Advanced Laser Manufacturing Pavilion**

Nowadays, digitizing production is becoming an indispensable part of laser processing. In order to meet the complex production requirement, the market demand of high-precision laser equipment is continuously increasing. At the same time, China national policy favors the green, environmental protection industries, which urges Chinese manufacturing industry to transform from traditional manufacturing to advanced manufacturing. To laser equipment manufacturers and its end users, this is not only a challenge but also a new opportunity.

**Talk Directly with International Experts on Cutting-edge Laser Technologies**

Concurrent high-end international conferences are aiming to analyze the current status of global laser industry, estimate the future trends of laser industry and discuss the strategies to cope with those trends. The platform is able to support Chinese and global laser industry on technology innovation and breakthrough.

**Product categories**

**Intelligent laser manufacturing pavilion**
- Laser marking
- Laser cutting
- Laser welding
- Laser engraving
- Laser scribing
- Laser cladding
- Laser demonstration system
- Laser heat treatment system
- Laser cleaning
- Laser cleaning Additive manufacturing system and high performance materials
- Laser texturing and other intelligent laser processing equipment

**Laser making equipment and components**
- Laser lights detecting instrument, test and measurement system
- Laser system components, Laser head, Integrated optics and application equipment, Laser crystals, Laser chip
- Laser power supply, Galvo scanning system, Q switch, Optical platform, Laser design software
- Optical devices etc.

**Photoelectric technology pavilion**
- Optical fibers and cables, Optical chips, Optical active and passive devices/components
- Optical modules and subsystems, Semiconductors packaging, inspection equipment
- Optical imaging, Optical scanning, Fiber optic sensors, Vision systems (machine vision), Laser radar, Laser display
- Laser communication, Stage and landscape application, Medical application, Military-civilian integration

**Intelligent manufacturing equipment pavilion**
- Intelligent equipment, Industrial robots, Machine vision, Intelligent control system, Industrial Internet of things, Control system and components, Others (training and consulting)
Based on the intelligent manufacturing cluster rooting in Greater Bay Area, connected by digital upgrading and transformation, ICTS integrates the advantages to deliver quality trade fair with trending industrial topics, cutting-edge technologies, varieties of industrial applications, digital factory whole value chain display, on-site forums, innovation salon, research and study tour. ICTS is going to enrich the participants with new ideas of advancing manufacturing, new ecology and practical applications.

**Product Category**

**Industrial IoT**
- Network connection, data capturing and identification, software, industrial network platform, industrial IoT applications, artificial intelligence, industrial image processing systems (face, voice, image and behavior recognition), intelligent technology processing (natural language, adaptive learning, deep learning, quantum intelligent computing), intelligent delivery systems and tools, virtual reality and augmented reality technologies and products, smart terminals and integrated applications;

**Digital Factory**
- Technology R&D and product development (CAx/MES/PLM), production and process planning (ERP), vision/modeling and simulation technology, mechanical automation, additive manufacturing, platform services, supply chain Management (order sales, tracking, platform Services, CRM); new generation (next generation) communication networks: 5G, communication services, network services, network switches, internet data centers; IoT, cloud computing and big data, edge computing; smart cities;

**New Generation Flat Displays**
- LCD/LED/touch panel and components/materials, high performance integrated circuits; security and information security: network security, application security, information and data security etc.; technical innovation;
Cognitive Manufacturing: The Four Ways to Reform Manufacturing Industry

Manufacturing industry is facing a major reform, factories are installing networking sensors to their equipment. By analyzing mega data, manufacturers are able to understand deeper and finely adjust the production processes. Those technologies are able to boost company’s KPI, create new value, improve product quality and change the way of how companies study and manage internal information.

Digital Factory

Integrated Processes and IT Solutions

Digital manufacturing is the combination of digital technology and manufacturing process. By using technologies like, virtual reality, computer network, rapid prototyping, database and multimedia, digital manufacturing is able to collect, analyze, plan and reform the information provided by end users efficiently. It is a rapid way to design, prototype and produce the products according to the customer needs.

Make Adjustment of the Processes, Improve the Level of Intelligence

The definition of digital manufacturing is to digitize the manufacturing processes. It is the result of crossing, integrating and developing of manufacturing technology, computing technology, network technology and management science. With the exhibiting products and professional events, digital factory is aiming to help the end users, finding suitable digital operating system, management framework, idea and equipment. The main focus of digital factory pavilion is to support the domestic companies with a digital reforming, intelligent upgrading and sustainable development.

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Our focuses are:
- Did your factory keep up with the reform of intelligent manufacturing?
- How company starts its intelligent manufacturing process?
- What’s the practice of digitizing intelligent manufacturing and cognitive manufacturing?
- Do you know the true potential of industry 4.0?

80% of the efforts wasted on broken components and repairing.

44% of the unexpected system down are caused by aged equipment.

Product Category
- Basic software and system-oriented software
- Task-specific software and solutions
- Software and solutions for specific sectors
- Industry-specific automation software solutions
- Cloud & industrial IT services, digital factory services
- Additive manufacturing
- Industry 4.0 & industrial internet
EIAS is an important secession under South China International Industry Fair, it mainly showcases the latest innovations in industrial cleaning, industrial wastes disposal, highly efficient energy-saving technology, core basic components. It also provides an ideal business platform for the participants.

Product Category

Energy-saving Technology Section
New energy such as hydrogen energy, solar energy, wind energy and so on, gas compressors, fans, ventilation equipment, pumps and vacuum equipment, motors, boilers, energy efficient industrial control devices and other energy efficient technologies

Industrial Cleaning Section
Industrial dust collector, flue (gas) purification equipment, volatile organic control equipment, noise and vibration control equipment, gas liquid separation and pure equipment, solid waste treatment equipment, sweeping machine, dust (gas) explosion protection system and fire-fighting equipment, dust (gas) testing and other environmental testing instruments, health protection products, etc.

Core Basic Components and Supporting Section
Mechanical components and accessories, micro motors and components, transformers, rectifiers and inductors, hoses and other ancillary products

Brings an Intelligent and Better Industrial Environment

Energy Saving and Industrial Cleaning/ Protection
The Innovative Platform to Connect Research, Education, Production and Practical Application of New Material Industry

Advanced Material Show is to showcase the high-end manufacturing materials used on new generation of information technology, high-end CNC machine tools and robotics, aerospace equipment, energy saving and new energy vehicles, marine engineering equipment and high technology, advanced shipping rail transportation equipment, power equipment, bio pharmaceutical, and cutting-edge material technologies like graphene and high-temperature superconductivity. AMS is a platform for technology exchanging, trading and cooperation of new materials and their applications.

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<th>Product Category</th>
<th>Material Application Pavilion</th>
<th>Material Attribution Pavilion</th>
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<td>Material for new generation of information technology, material for high-end CNC machine tools and robotics, material for aerospace equipment, material for energy saving and new energy vehicles, material for marine engineering equipment and high technology, material for advanced shipping rail transportation equipment, material for power equipment, material for bio pharmaceutical and high performance medical instruments.</td>
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<td></td>
<td>Rare earth, carbon fiber, smart fiber, graphene, new material process, superconductivity, biodegradation, silicate, alloy, special steel;</td>
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<td>Industrial Park and Others</td>
<td>Industrial parks and investment fund</td>
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The Guangdong-Hong Kong-Macao Greater Bay Area (Greater Bay Area) comprises the two Special Administrative Regions of Hong Kong and Macao, and the nine municipalities of Guangzhou, Shenzhen, Zhuhai, Foshan, Huizhou, Dongguan, Zhongshan, Jiangmen, and Zhaoqing in Guangdong Province. The total area was 56,000 km² and the total population was around 70 million at the end of 2017. There are 20 fortune 500 companies and 30,000 national level high tech companies locating in Great Bay Area, 71.53% of them are manufacturing related companies. The industrial value chain is complete in this area, together with the new internet economy, the Greater Bay Area will become one of the most open and economically vibrant regions in China, the Greater Bay Area plays a significant strategic role in the overall development of the country.

According to the «Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area», till 2035 the Greater Bay Area is going to finish implementing a development strategy which is innovation-driven, with pilot measures of comprehensive innovation and reform in Guangdong well underway. The strategy also includes exploring the best practice of liquidating human resources, capital, information and technology inside the region, establishing a centralized international big data center to take forward the development of the Greater Bay Area jointly.

World Class Bay Area needs a world class exhibition and platform. South China International Industry Fair is dedicated for this purpose, it is an efficient whole industry trading platform, helping you in seizing market opportunities.
TRANSPORTATION TO SHENZHEN WORLD

- **By Air**: 3 km to Shenzhen Airport T4; 7 km to Shenzhen Airport T3; only 75 km to HK Airport.
- **By Ferry**: Fuyong Port which is only 1 to 1.5 hours to HK, Macao, Guangzhou and Zhuhai by ferry.
- **By Road**: served by 2 highways, S3 (Yanjiang Hw) , G4 (Guangzhou-Shenzhen Hw) and 1 expressway (Haibin Blvd).
- **By Metro**: served by 2 metro stations on line 12 and line 20; only 2 stations from Shenzhen Airport via line 20; connected to line 11 and the intercity transport hub; line 12 will open in 2022, with a transfer stop on line 2 in Dongguan City; Fuyong Station on line 11 currently in operation is only 3.5 km away from the venue; shuttle bus is to be arranged to facilitate transportation.
- **By Shuttle Bus**: Round trip shuttle service from nearby metro stations, bus stations, commercial center, hotels to Shenzhen World.

Shenzhen World Exhibition & Convention Center is located in Shenzhen Airport New Town, which lies at the top of the Guangdong-Hong Kong-Macao Greater Bay Area and in the center of the Pearl River Delta and Guangdong Free Trade Zone. It is also the hub of Guangdong - Shenzhen - Hong Kong development corridor and East to West development corridor; and the center of Guangdong Foshan and Zhaoxiong, Shenzhen Dongguan and Huizhou, Zhuhai Zhongshan and Jiangmen urban circles. The centralized location gives Shenzhen great development potential.

In 2017, the Guangdong-Hong Kong-Macao Greater Bay Area was accounted for 12% of national GDP despite only representing less than 1% of the country’s total land area and less than 5% of the total population. And its gross GDP has outshone that of the San Francisco Bay Area and New York Bay Area to reach 1.54 trillion dollars. In five years, the Greater Bay Area is projected to overtake the Tokyo Bay Area and become the world’s No.1 bay area, in terms of GDP. Airport New Town is positioned to drive Shenzhen’s future economic prosperity and development, and will emerge as a sub-city center and a first-class international airtropolis.

As a major construction project put forward by the CPC Shenzhen Municipal Committee and Shenzhen Municipal People’s Government, Shenzhen International Convention & Exhibition Center is a key project in the development plan of Shenzhen, and plays an important role in enhancing the urban functions and image, building Shenzhen into a convention center in China and around the world, accelerating the process of building Shenzhen into a modern, international, and innovative city. Shenzhen World will meet the standard of “world-class design, construction and operation”, and gather global wisdom, explore and innovate continuously, and make unremitting efforts to provide first-class international services for our customers both at home and abroad, building Shenzhen International Convention & Exhibition Center into a new benchmark for global exhibition halls, a new carrier for industry development, a new engine for regional development, a new driving force for urban development, and a new landmark in Shenzhen.