



# ASEAN High-Performance Machining Summit 2020

Precision Machining | Metal Forming  
Intelligent Automation | Test and Measurement

**3C | Home Appliances | Autoparts**

*July 2(Thursday) - July 3(Friday)*  
*Park Hyatt Saigon, Vietnam*

**Redefining the Manufacturing Efficiency**

**Organizer**



**Media Supporter**



**Supporter**



**Business Partners**



# Vietnam Under ASEAN Economic Integration: Record-breaking Acceleration

Vietnam has almost become an industrialized country. Despite the fact that its national land area is not very large, Vietnam is the 47th largest economy in the world. Vietnam has opened to cross-border trade and investment, carried out various institutional and policy reforms, established new bilateral and multilateral international trade relations, and made Vietnam committed to complying with international trade regulations. The year of 2018 is, especially, a milestone for Vietnam to fulfill its commitment to economic integration. Within ASEAN, Vietnam is fulfilling its commitment to reduce the 98% tariff rate and GDP reached a record-breaking 7.08% in the same year. It's the highest record since 2008, exceeding the government's expectation of 6.7%.

The high growth of record in the past decade is due to the improved business environment, positive economic structural transformation and impressive exports. Most of the largest export projects belong to the foreign direct investment (FDI), contributing 143 billion (USD), accounting for approximately 71% of total exports. Major export products include electronics and components, mobile phones and transportation vehicles.

## Factors of Economic Growth

As trade tensions between the United States and China intensify and China's labor costs continue to rise, Vietnam is ready to become a new manufacturing center in Asia, [especially in the electrical and electronic products, consumer electronics, home appliances, and automotive / motorcycle industries.](#)

# High Potential Development Industry

## Electronic Product: The Biggest Contribution of the Export Economy

Vietnam's electronics industry is growing. According to research institution Electronica.ca Publications, production in 2018 was estimated at 31.1 billion (USD), up from \$ 2.6 billion (USD) in 2007. The company reports that [growth is attributed to increased production of mobile phones, computers, LCD TVs and semiconductors, and Vietnam has become an important exporter of electronics.](#) Its electrical and electronic products outnumbering coffee, textiles and rice, becoming Vietnam's largest export goods. Samsung is Vietnam's largest export-oriented international company and has helped Vietnam achieve a trade surplus for many years. Smartphones and computer parts exports now account for a higher share of export revenues than oil and clothing. Samsung has turned Vietnam into a global manufacturing base for its products, producing nearly a third of the company's output, and Samsung has invested more than 17 billion (USD) in Vietnam to date.

# Increasing Demand for Home Appliances and Auto / Motorcycle Parts

The potential of Vietnam's [home appliance industry](#) is huge. Home appliances rank 4<sup>th</sup> in Vietnam's 11 major commodities. The annual turnover of between 12.5 and 13 billion (USD). It's 10% annual growth rate.

Vietnam exported 4.4 billion (USD) of auto parts in 2018 and imported 3.5 billion (USD). Vietnam's been an important automotive market. By 2025 it is expected to sell 750,000-800,000 vehicles, and by 2035 it will sell 171.85 million vehicles. Despite of increasing competition in the automotive market across the ASEAN region, Vietnam has stated its intention to actively establish its own domestic automotive industry. One of the key reasons for achieving this goal is that the automotive industry has the potential to create thousands of job opportunities for locals and establish a strong and supportive industrial chain. Vietnam's two-wheeler industry is the 4<sup>th</sup> largest industry in the world and is dominated by 5 major local producers, HONDA, YAMAHA, SUZUKI, SYM and PIAGGIO. They account for more than 97% of the entire market and sell more than 3 million vehicles annually, mainly for the domestic market.

## Rising Demand for High Technology

Moreover, Vietnam has been shifting to high technology. [The industrial production needs to increase the proportion of processing and manufacturing, while reducing the proportion of outsourcing and assembly to support domestic production and increase Vietnam's exports and rate of localization.](#) Therefore, Vietnamese manufacturing companies have great potential to use high-performance processing and smart manufacturing technologies (such as advanced analysis, ultra-precision machining technology, artificial intelligence, automation and robotics, and 3D printing) in order to achieve superior supply chain and operational business, gaining growth and benefits to surpass competitors.

[The 2020 ASEAN High-Performance Machining Summit](#) provides you with insights on how to improve your company's productivity and competitiveness. Share the knowhow of upgrading to smart, interconnected manufacturing methods and solutions that implement high-performance processing to improve manufacturing efficiency.



# Topics to be addressed

## Precision Machining

1. CNC system and efficient precision grinding.
2. Analysis & application of cutting processing.
3. Heat treatment & surface treatment of parts.
4. Professional deburring techniques and cases studies.
5. Laser cutting process introduction.
6. Intelligent machine tools and their key technologies and applications.
7. Main points of process planning and implementation of intelligent welding line.
8. Online machine inspection to accelerate vehicle manufacturing automation.
9. Application of multi-material body mechanical connection technology.
10. Die laser repair and strengthening technology for automotive shells.
11. Manufacturing process optimization.
12. Selection and optimization of tools.

## Metal forming technology

1. Advantages and cost control of high-speed stamping production line.
2. Optimal design and selection strategy of stamping production line.
3. How to improve the utilization of body stamping materials?
4. Application of stamping monitoring system.
5. How 3D printing and cutting work together
6. How to efficiently design and process products
7. Rapid prototyping technology and application
8. Additive manufacturing technology drives design innovation
9. New stamping forming process and development application
10. Development of sheet metal forming industry
11. Additive mold manufacturing and surface strengthening technology

## Intelligent Automation

1. Create the future factory with advanced manufacturing analytics.
2. Why demand-oriented manufacturing may be the future of manufacturing.
3. How SMEs can add Industry 4.0 to automate their manufacturing.
4. Advanced Manufacturing and Logistics 4.0.
5. The impact of artificial intelligence throughout manufacturing.
6. How data can enhance its manufacturing capabilities.
7. The future of robotics in manufacturing: joint robotics, artificial intelligence integration, and robots.
8. Predictive maintenance of the IoT.
9. How IoT, connectivity and data analytics are transforming manufacturing.
10. How to significantly reduce costs by establishing a data preparation process.
11. How to achieve stable automation in a continuous improvement environment.
12. Internet + Manufacturing: Accelerating Additive Manufacturing.
13. Internet + Industry 4.0: Where is the way out for traditional manufacturing?

## Testing & Measuring

1. High Precision Machining and Testing.
2. Online Measurement and Real-Time Data Collection & Analysis.
3. High Performance Technology with Energy Saving, Environmental Protection & Sustainable Development.
4. Performance Test and Application of Oil Pump.
5. Application of Advanced Measurement Technology in Automobile & Mould.
6. Quality Control and Measurement Technology.
7. Online Test Control System Software and Case Analysis.

## Why Should You Attend?

Join us to become part of the high-efficiency and automation shift and benefit from new innovations that can help you to enhance your customer and company satisfaction.

### Be Updated About The Latest Market Trends And Prospects:

Get ideas, gain insights and learn best practices in processing and design in the metalworking and automation industries.

### Learn From The Industry Experts:

Discover new products, services and solutions for your business to generate higher profitability.

### Visit Exhibitors' Booths:

Attend one-to-one meetings with potential partners not only from Vietnam but across the region.

### Meet New Suppliers and Agents:

Build your business network at a relaxing and friendly atmosphere.

### Build Your Business Network:

With focus on High performance machining, , Intelligent Automation, Testing & Measuring Equipment ROI and training.

## Who Will Attend?

### By Industry

- 3C Products and Home appliances Manufacturing Enterprises
- Auto Parts Manufacturing / OEM Enterprises
- Mold Manufacturing
- Gear manufacturer
- Association & Government Representative
- Distributor and Logistics
- Government / industry association representatives

### By Title

- Managing Director / CEO / President / Vice President / General Manager
- Production Project Director, Plant Manager / R & D Director, Manager / Design Director, Manager, Engineer
- Quality Management Manager / Purchasing Manager
- Marketing and Sales Director

# Local Supporter



VASI

In 2017, under the planning of MoIT (Vietnam Ministry of Industry and Trade), a new association was established with the purpose and goals of supporting the development of Vietnamese enterprises, promoting domestic and foreign trade, and providing the assistance needed by enterprises. The members of VASI mainly are the components manufacturers. **There are currently more than 200 suppliers of production parts. Member manufacturers include metalworking manufacturing, plastic manufacturing, machinery manufacturing, automation, electronic parts, etc.** The current chairman is the current Deputy Director of Ministry of Industry and Commerce, assisting members to connect with relevant departments in the industry, including government departments, the European Union, external partners, etc., including domestic and export markets, collecting relevant supply chain information, and supporting feasible solutions for cooperation. It is an internal and external agency that assists Vietnam manufacturing industry.



**Ho Chi Minh City Association of Mechanical – Electrical Enterprise (HAMEE)** was established in accordance with No. 3259 / QD-UB approved by the Chairman of the Ho Chi Minh City People's Committee on May 31, 2001.

HAMEE is a professional social organization that brings together managers, technical experts and departments of the mechanical electrical industry in many economic fields in Ho Chi Minh City. HAMEE's goal is to be devoted its energy and intelligence to the development of the electromechanical industry of member nations' benefits and needs of socio-economic development, in accordance with national guidelines and laws. **There are currently 229 members, who are related to manufacturers of electrical appliances in Vietnam.**

**Industry Development Center (IDC), The Vietnam Trade Promotion Agency (VIETRADE)** is a governmental organization of Vietnam responsible for national regulation of trade and investment promotion for development of industry and trade.



IDC

VIETRADE provides a wide spectrum of services to assist Vietnamese and foreign enterprises in their business development and expansion.

OUR VISION AND DEVOTION:

- Success for enterprises
- Trade development
- Optimization of every resource



## Emphasize new type of event : Hybrid Event

因应新冠疫情影响，荣格活动将提供与会者可依照不同的需求，如公司政策，安全考虑等，选择与会方式。荣格实体会议活动将以全新面貌展现，新增网络直播服务，结合线下面对面互动特色及在线元素成为复合型交流活动（Hybrid event），以满足与会者不同需求！

In response to the impact of the Coronavirus epidemic, Ringier provides you with multiple options of participation for its events, based on your different needs, such as company policies and safety concerns.

Ringier physical events will take place in both a physical and digital setting, called Hybrid Event, to meet the different needs of all participants and let participants enjoy in-person networking and remote engaging at all time.

### Guidance for Safety Precaution



1

**戴口罩**

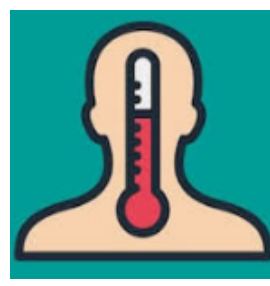
Wear Surgical Mask  
At All Time



2

**酒精消毒**

Hand Sanitizer  
Available



3

**量体温**

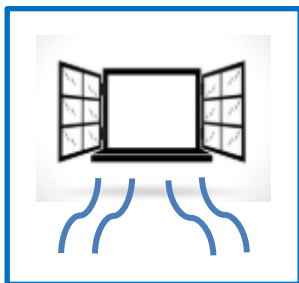
Measure Body  
Temperature Upon Entry



4

**分散座位/攤位**

More Space Between  
Seats, Booths And  
Wider Aisle

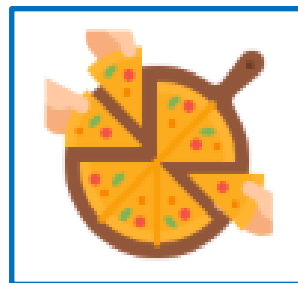


6

**保持通风**

**较宽的人行道**

Maintain Ventilation



7

**分散人潮进餐**

No Food Sharing  
(No Buffet Style)



8

**勤洗手**

Frequent Hand Washing



- The 5-star Park Hyatt Saigon is located at Linsen Plaza in the heart of Ho Chi Minh City (HCMC), representing the essence of modern Vietnamese lifestyle. The magnificent boutique hotel is majestic, located on 9 floors above District 1, just a short distance from Saigon's main tourist attractions as well as the exhibition center and business district. Ho Chi Minh International Airport (Tan Son Nhat) is only 7 km from the hotel. In this city known for its bustling streets, the airport can be easily reached.
- Add. : 2 Công Trường Lam Sơn, Bến Nghé, Quận 1, Hồ Chí Minh
- Tel : +84 28 3824 1234
- Website : [parkhyattsaigon.com](http://parkhyattsaigon.com)



## Organizer

Shanghai Ringier is a wholly-owned subsidiary of Ringier Industrial Media. Relying on the strong media resources of the Ringier Group, since 2003 Ringier Event has held more than 20 seminars of industrial technology and industrial technologies for the Chinese manufacturing market each year covering the plastics, food, personal care products, pharmaceutical and medical, non-woven, coatings and inks, automotive, metal, molds, packaging, composite materials, F&B industries. Among them, plastic technology series forum, coating series technology forum, personal care product technology seminar, functional food technology forum and other conferences have been successfully held for several sessions, and gained a good reputation in the industry.

The Ringier Event was successfully extended to SE Asia in 2014. Its series of conferences covers plastic processing, metal processing technology, automobile manufacturing, food and beverage processing and packaging. These industries require high-end technological upgrades to respond to the growing consumer needs in domestic market and foreign trade exports. The Ringier seminar brings industry experts together to discuss the latest development trends and technology application solutions, and provides a high-quality platform for communication, learning and cooperation in the industrial fields.

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