



TIMTOS

The 27th Taipei Int'l Machine Tool Show

The sharpest edge for industry



2019 March 4-9
www.timtos.com.tw

Show Review

Organizers:
**Taiwan External Trade
Development Council**
www.taitra.org.tw
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Fax: 886-2-2561-3711
Email: timtos@tami.org.tw

Venues:
TWTC Exhibition Hall 1
TWTC Exhibition Hall 3
Taipei Nangang Exhibition Center
Hall 1 & Hall 2

Production:
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TIMTOS

2019.3/4~3/9

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A Big THANKS from TIMTOS 2019!

Dear friends,

Thank you from the TIMTOS 2019 organizing team. Your visit to the show has contributed to the prospect of metalworking industry not only in Asia but also in the world.

TIMTOS hosted a record of 1,230 exhibitors from 26 countries with 7,000 booths this year, positioning it among the top three machine tool trade shows in the world. This 6-day exhibition attracted a total of 53,777 professional visitor, among which 7,511 were from overseas.

As one of the world's most prominent machine tool trade shows, TIMTOS presents the latest machines, cutting-edge technologies and innovative solutions. This year, the show highlighted "Industry 4.0 & Smart Manufacturing" with focuses on smart machining centers, digitalized solutions, AI technology, integrated systems and intelligent production lines. Not only that, we feel that the show enhanced further business networking, opened more collaboration opportunities and stimulated greater insight with your participation.

With the wrap up of TIMTOS 2019, we cordially invite you to visit Taipei Intelligent Machinery & Manufacturing Technology Show (iMTduo) from May 6 to 9, 2020 to find the latest smart manufacturing solutions. And of course, please stay tuned for the next TIMTOS in March 2021 to connect with industry elites, discover new products and get inspired by the latest trends.

Thanks again for your support, and may all your endeavors and ventures bring you success and prosperity.

Sincerely yours,
TIMTOS 2019 Organizing Team

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TWISTER 系列

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Machining Center



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The 27th Taipei International Machine Tool Show (TIMTOS)

March 4-9, 2019

TIMTOS 2019 wrapped up on March 9th as Taiwan's largest trade show and the world's third largest machine tool trade show. It was held across four exhibition halls, TWTC Hall 1 and 3 and Taipei Nangang Exhibition Center (TaiNEX), Hall 1 and Hall 2. TIMTOS this year gathered 1,230 exhibitors from home and abroad to showcase every facet of metal working supply chain from high precision key components, intelligent machines and production lines to digitalized solutions that present the vision of metalworking and manufacturing of the future. The show attracted a total of 53,777 visitors and successfully created a platform for finding new metalworking machinery and technology and exploring business opportunities.

Exhibit Space:

100,000 sqm (gross)

Number of Overseas Visitors:

7,511 (increased by 2.3%)

Number of Exhibitors:

1,230 (increased by 11.8%)

Number of Total Visitors:

53,777 (increased by 7.2%)

Number of Booths:

7,000 (increased by 28.9%)

Organizers:

Taiwan External Trade Development Council (TAITRA)
Taiwan Association of Machinery Industry (TAMI)

Exhibit Profile:

Taipei World Trade Center (TWTC) Exhibition Hall 1

- Tube & Wire Processing,
- Laser Punching Machines
- Welding, Vibration Grinding, Surface Treatment Equipment
- Metal Forming Machinery, Casting and Forging
- Cutting Tools, Tooling Systems & Accessories
- German Pavilion
- China Pavilion
- AR Experience Zone

Taipei World Trade Center (TWTC) Exhibition Hall 3

New Exhibitors showing Metal Cutting & Forming Machines, Machine Tool Parts, Control Systems, Software, etc.

Taipei Nangang Exhibition Center, Hall 1 (TaiNEX 1)

- Metal Cutting Machine Tools
- Swiss Pavilion
- German Pavilion
- USA Pavilion
- International Associations
- Trade Media

Taipei Nangang Exhibition Center, Hall 2 (TaiNEX 2)

- Measuring, Measuring Instrument, Software, Design Engineering
- Controllers & Control Systems
- Machine Tool Parts
- Metal Cutting Machine Tools
- Denmark Pavilion
- Turkey Pavilion



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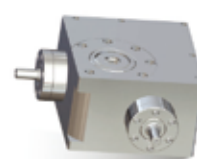
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The reason why international buyers would like to buy Taiwanese machine tools again and again and year after year, is the fact Taiwan machine tools are truly good in quality and competitive in price, according to buyers from different countries during the procurement meeting following the opening of TIMTOS 2019.

Taipei International Machine Tools Show was inaugurated on March 4, 2019 at Taipei Nangang Exhibition Center, Hall 2, a procurement meeting was followed immediately between international buyers and Taiwanese manufacturers. Twenty two international machine tools' big traders successfully negotiated with their potential partners about their innovative, efficient and most advanced machine tools Made In Taiwan (MIT).

Several buyers proudly revealed that they have been to TIMTOS for more than five times. They actually come to Taiwan to buy machine tools almost every year. They put Taiwan on their first priority purchasing machine tools because they all like the good quality and price of Taiwanese products. They would like to buy almost all kinds of models, including lathes, grinding machines, drillings and systems made in Taiwan.

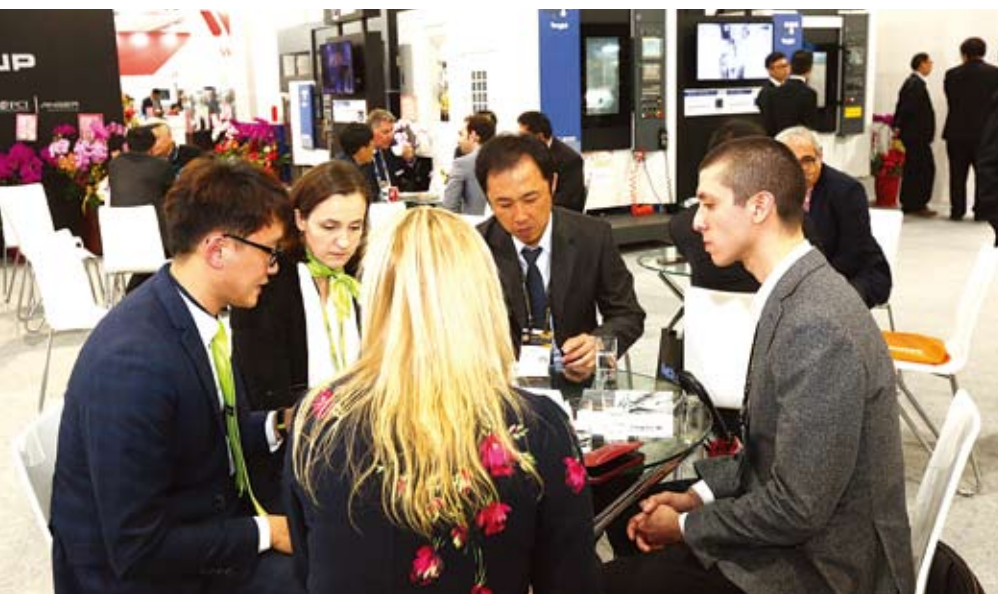
TIMTOS Int'l Buyers Embracing Taiwanese Machines



Since they are coming to buy machines almost every year, how come that they still have to watch TIMTOS with high expectation as well? "Simply because

Taiwanese machine tools are improving technically & functionally every year, and makers in Taiwan always show their most cutting-edge innovations in TIMTOS. So that I make watching TIMTOS a must see every two years other than yearly purchase," said Rohit Rai from New Deli, India. For the last twenty five years, Rai has come to buy Taiwanese machines without missing a year.

Foreign trade representatives of TAITRA stationed in the offices abroad would recommend and list some good quality businesses online first on platform of TAITRA, to help machine tools makers in Taiwan to apply for appointment with the buyers on the list. After the buyers around the world agree to meet, Taiwanese manufacturers could have the opportunity to see their potential buyers during the procurement meeting.





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We have six factories that produce different kinds of metal mesh and related industry in various countries.

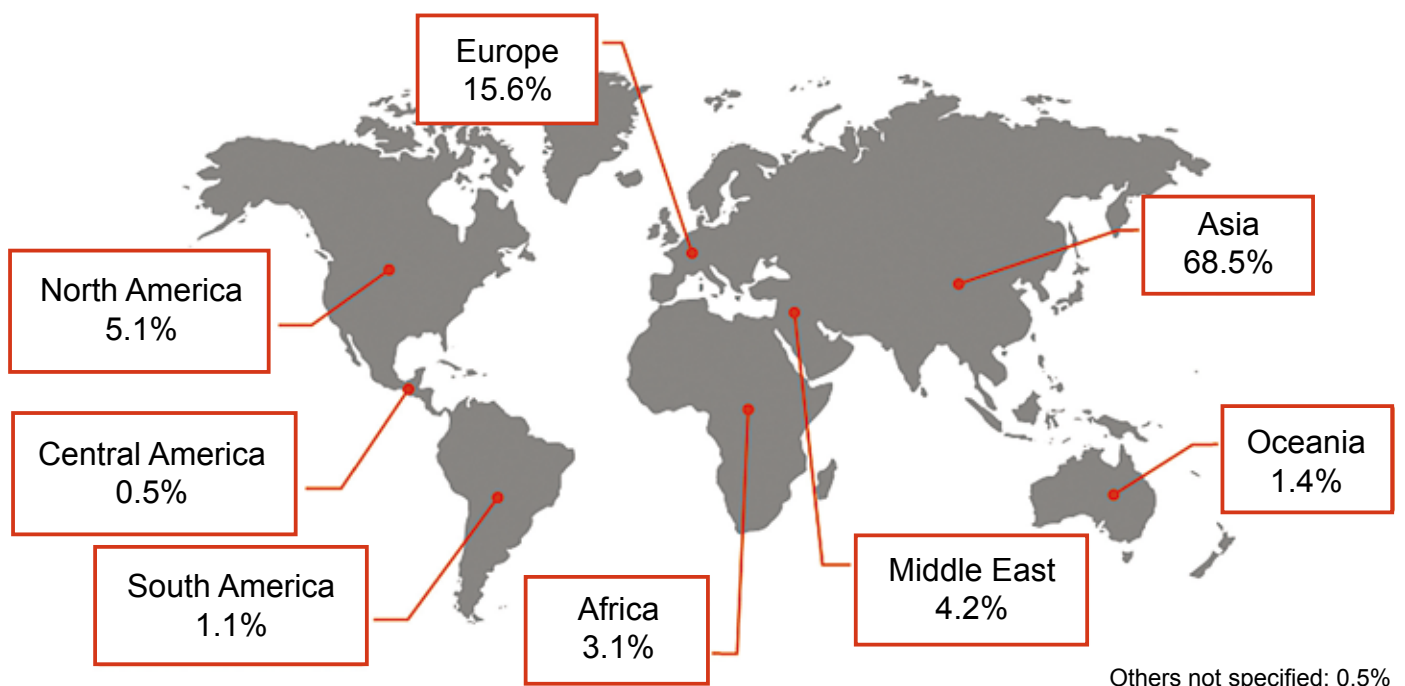
Top 10 Overseas Visitors by Country

Country	Visitors	%
Mainland China	1,652	22.0%
Japan	754	10.0%
India	538	7.2%
Malaysia	452	6.0%
South Korea	376	5.0%
Thailand	375	5.0%
United States	313	4.2%
Russia	252	3.4%
Singapore	201	2.7%
Turkey	201	2.7%

Overseas Visitors by Day

Date	Visitors	%
March 4	2,249	30.0%
March 5	1,903	25.3%
March 6	1,276	17.0%
March 7	1,067	14.2%
March 8	722	9.6%
March 9	294	3.9%
Total	7,511	100%

Overseas Visitors by Area



What TIMTOS Buyers Say...



EDUARDO VILAS BOAS
Mafermaq Maquinas
Ferramentas, Lda
Portugal

Before he took long hours flight, Vilas Boas had made up his mind to buy machines in TIMTOS whatsoever. With regular purchasing and confidence in Taiwanese machine tools, after he arrived at Taipei Nangang Exhibition center for two days, Vilas Boas has ordered several 5-axis machining centers and more than 10 grinding machines. One of his suppliers said that Vilas Boas usually bought at least 20 machines from his company every year.



FEFELOV ALEKSANDA
Vekprom Company
Russia

It is his first time to Taiwan and TIMTOS. Aleksanda is impressed by the modernization and progression of Taiwan. He found that he can find some interesting stuffs in TIMTOS, for instance, finishing and grinding machine is very good. Aleksanda said that these new findings would help him get more opportunities. He plans to buy EDM machines, grinding machines and tube bending machines, this time.



DJAFOUR ZAKARIA
SimoDeco
Algeria

As a furniture manufacturer, Zakaria feels that Taiwanese machine tools' quality is very good and is close to those of Japan and Germany. He is targeting advanced MIT milling and drilling machines in TIMTOS though, he also has seen more other MIT products. After TIMTOS, he has an appointment in Tainan to meet a very big machine tools maker.



CHIN-HSI CHIANG
Long Perng Optics
Taiwan

His company being one of the few makers of precision binoculars in Taiwan and in a business of "small-volume with diverse items' production", Chiang comes to TIMTOS for high-end & advanced machines to help him producing highend & advanced binoculars in Taiwan. He praises TIMTOS, hosted by TAITRA & TAMI, is an important helping hand for Taiwanese precision industry and overseas buyers.



WOUTERS JOZEF
ADP Antwerp Diesel
Pumps N.V.
Belgium

Jozef is a regular buyer from Belgium. This is his fifth time of coming to TIMTOS. He found that the scale of TIMTOS is getting bigger and bigger, and the new products are more and more. This year, he is aiming at grinding machines. Jozef told Show Daily that 80% machine tools in his company are made in Taiwan. Because he likes the competitiveness of Taiwanese products in price and quality, compared to Japanese goods.



IOAN CIPRIAN NOAGHIU
Biotechnik
Romania

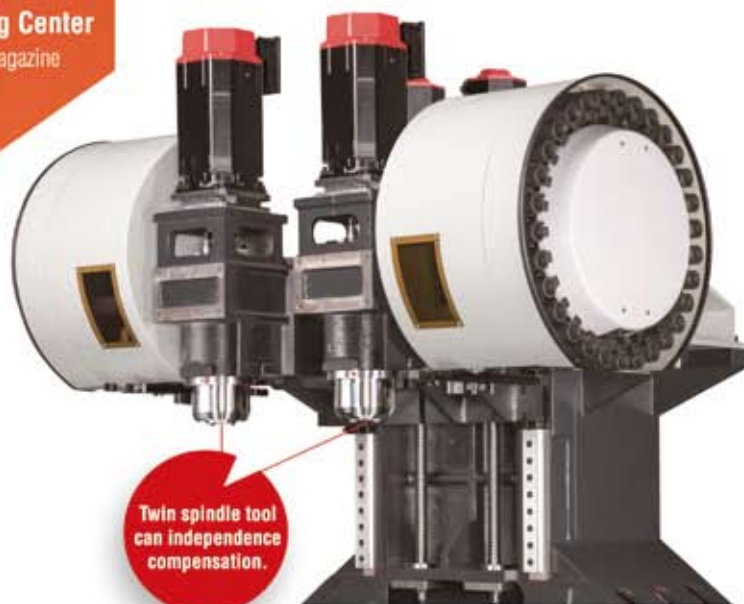
Noaghiu appreciates Taiwanese for being modest, well educated and dynamic. He found that Taiwanese companies are prepared for globalization. With TAITRA and TAMI organizing TIMTOS, Taiwan SMEs are given big chances to connect with the global market. After two days visiting the show, he plans to buy welding robot system, lasers, folding tubes and welding robot arm.

INNOVATIVE INVENTION

DOUBLE EFFICIENCY DESIGN



MTS-600
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Twin Spindle Twin Magazine



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CIMT 2019

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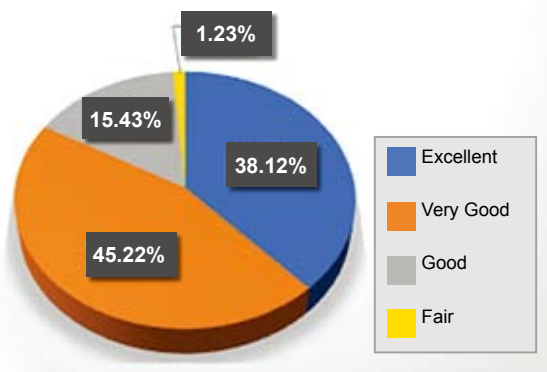
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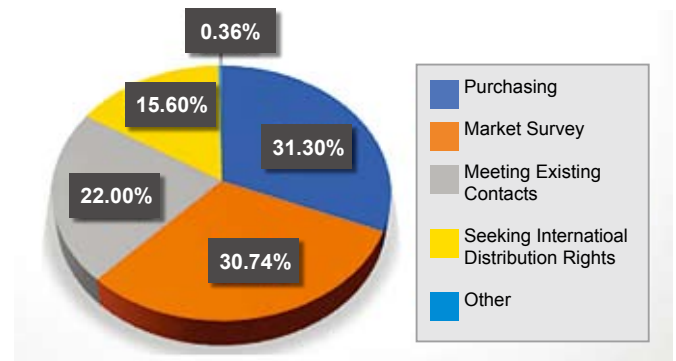
No. 372, Fengzhou Rd., Fengyuan Dist., Taichung City 420, Taiwan

OVERSEAS VISITORS' SURVEY

1. Overall Impression of Visiting TIMTOS 2019



2. Purpose of Visiting TIMTOS 2019



3. Visitors by Business Type

Manufacturing	43.90%
Importing	24.30%
Agency	14.01%
Wholesaling	6.22%
Consultancy	3.55%
Retailing	3.28%
Other	4.74%
Total	100.00%

4. Visitors by Industry Segment

Machinery	53.72%
Automobile	11.80%
Other	8.51%
Mold & Die	7.75%
Electronic & Electrical Engineering, IT	4.46%
Aerospace	3.44%
Service Industry	3.35%
Building, Construction	2.07%
Consumer Electronics	1.40%
Plastics & Rubber	1.08%
Medical Instrument	0.76%
Shipbuilding	0.73%
National Defense	0.47%
Design Engineering	0.47%
Total	100.00%

5. Products of Interest

CNC Machines	17.46%
Metal Cutting Machines	11.70%
Machine Tool Accessories	8.73%
Machine Tool Parts	8.03%
Tools, Cutters	7.71%
Metal Forming Machines	6.34%
Laser Cutting and Punching Machines	5.93%
Industrial Robots	5.23%
Inspection, Measurement Equipment	4.73%
Press Machines	4.59%
Sheet Metal, Tube & Wire Processing Machines	4.46%
Casting, Forging, Welding, Surface Treatment Equipment	3.80%
Emerging Technologies (AI, IoT, additive manufacturing)	3.79%
Controllers and Control Systems	3.47%
Software, Design Engineering	3.10%
Other	0.93%
Total	100.00%



KEN ICHI MACHINE CO., LTD.

Taiwan No.1 5 axis machining center manufacturer

- Focus on Large Size 5 axis machining center
- Specialize in aircraft parts & automotive mold and die
- Selling over 200 sets within 5 years
- Targeting over 100 sets manufactured in 2020

KEN ICHI machine is a Taiwan No.1 5 axis large size machining center manufacturer who main focus on Compact B, 5 axis gantry type high-speed machining center at 2019 TIMTOS. During the exhibition, there was always gathering many visitors and many inquiries about machine. In KEN ICHI booth, we received many clients and dealers from whole world. Through KEN ICHI sales introduction, the visitor understood the performance of KEN ICHI large size 5 axis high-speed machining center is keeping pace with the technology and performance from Germany and Japan.

The World Bestseller Model-Compact B

The compact B series has already sold over 80 sets in the world. KEN ICHI demonstrate Compact B, 5 axis gantry type high-speed machining center. X&Y axes are driven by linear motor, performs high accuracy and high acceleration/ deacceleration of 60m/min rapid traverse. Box-in-Box symmetric structure design is the best solution to against spindle center shifting caused by environment temperature. One-piece column and base is the best rigid structure design, and minimize the cost of foundation. The milling head of direct-drive can provide the advantage of high accuracy, high acceleration/deacceleration, no backlash and no wearing.

5 Axis Machining Center Manufacturer

KEN has always persisted in positioning itself as the high speed 5-axis manufacturer since the beginning of its establishment. KEN concentrates on supplying aerospace and automotive mold-die industries. General Manager Luke Chang said that in the past 10 years, the rapid development of KEN in mainland China was due to its clear positioning and its unique technology that no substitutes could be found. General Manager Luke Chang also shared several milestones KEN reached in 2018. Last year's production on five-axis machine tools exceeded 70 units, and the company successfully exported to Germany. "This scale of production capacity is already comparable to European brands; moreover, in the past few years

www.kencnc.com



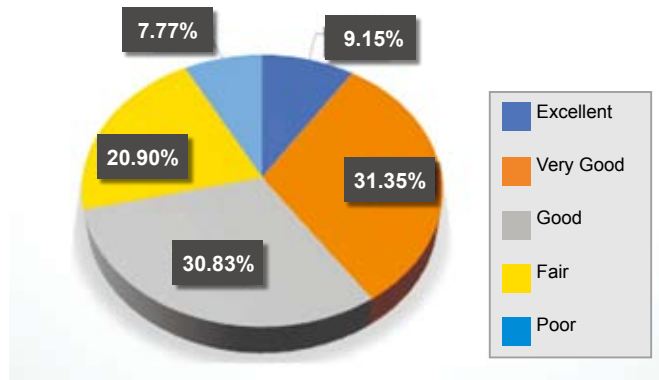
only very little amount of Asian brands have been able to successfully export to Germany. Thus, this is an achievement worth celebrating.

Speaking of the goal in the year 2020, General Manager Luke Chang shared that KEN has set the production target to reach 100 units. If this target is reached, then KEN has a very high opportunity in becoming the world's top five five-axis machine tool supplier. Apart from technology being the foundation for expanding production capacity and business scale for KEN, recently the company will enhance the field of customer service. They have established customer support centers in China, where the service team is capable for maintenance and fixing.

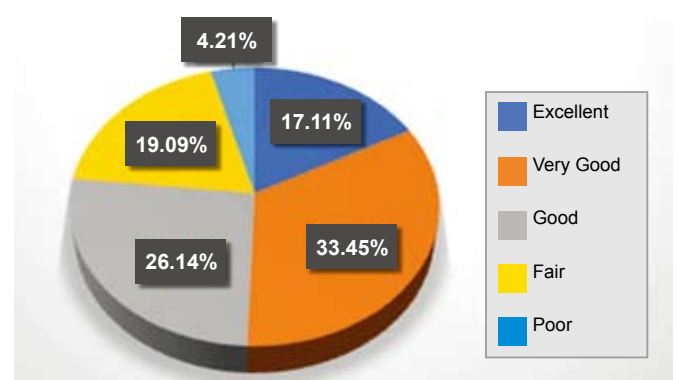
In addition, KEN has the ability to manufacture and fix direct-drive motor 2 axis milling head, which is rare for Asian 5-axis manufacturer. This would be extremely helpful in reducing the limits of time and distance between European 2-axis milling head provider and Asian clients. Finally, KEN will establish a 'application team' that assists clients to jump right into manufacturing and applying the products to the right industries. With these outstanding and creative services, KEN is ready to stride into the next 10 year anniversary with its practical techniques, strong 5-axis machine and edge-cutting technologies.

EXHIBITORS SURVEY

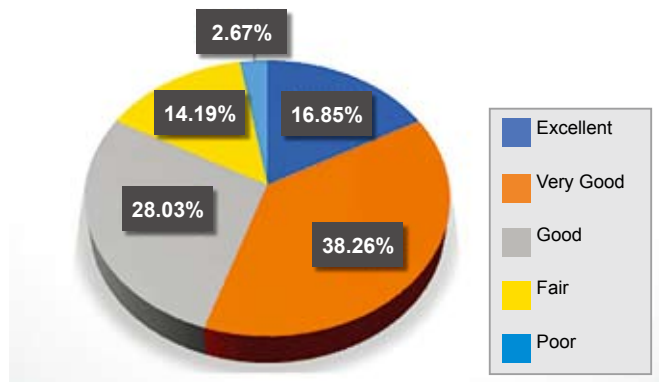
1. Overall Effectiveness of Exhibiting in TIMTOS 2019



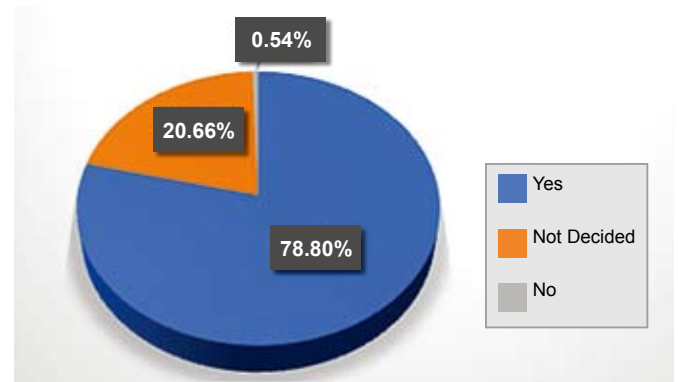
4. Effectiveness of Meeting Clients



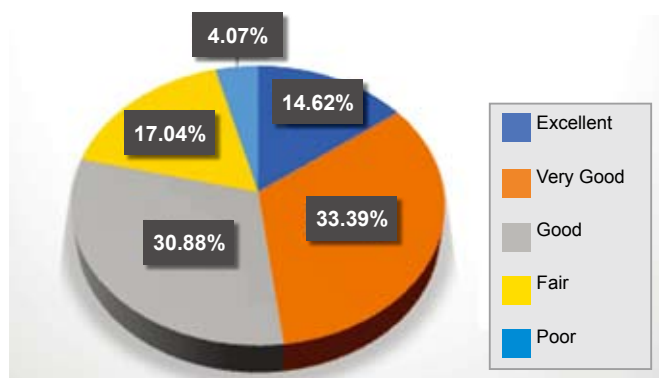
2. Effectiveness of Increasing Company Image



5. Willingness of Participating in TIMTOS 2021



3. Effectiveness of launching New Products



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Uni Magnetic Industrial: the automated expert in filtration system

An interview with Vice General Manager Ms. Lin

Uni Magnetic has over 35 years of experience in manufacturing industrial filtration systems. The major equipment that Uni Magnetic produces are centrifuge, magnetic separator, magnetic roller conveyor and candle filters - the company is presently involved in greater innovative products. Ms. Lin remarked that their products are widely sold to different industries because the filtration systems can achieve very high precision in machining. Moreover, the company has improved the issue of waste production as their filter elements are all sustainable for at least three years.

This move fundamentally increased the efficiency in manufacturing and solved environmental issues by cutting waste materials. Given the high capacity, Uni Magnetic's equipment is being heavily facilitated in the field of automobile and fields that need high precision in machining and finishing - such as glass manufacturing, surface manufacturing and smartphone panel manufacturing. A major multinational company such as GE has also been attracted by Uni Magnetic's equipment.

Achieving unmanned factory, a step closer to smart factory

Regarding the smart manufacturing theme that TIMTOS 2019 highlights, Ms. Lin told us that the company has been putting a lot of efforts in realizing unmanned filtration systems. They are exhibiting Rare Earth magnetic separator. The magnetic force is up to 5,000 gauss, makes the filtration efficiency up to 10μ, with no extra consumption at all, and applicable to weakly ferrous metal, oil-based or water-based coolant.

They have added in control, examination and testing devices to their machines and ensure the filtration systems operate smoothly without human intervention. The goal is to create a series of intelligent system that could be easily combined with machine tools and start machining without any problems", said Ms. Lin. She believes that the future of filtration systems would be in a great degree of collaboration with machine tools. She therefore is optimistic about any potential cooperation with other machinery manufacturers.



For the market plan of 2019, Uni Magnetic will carefully assess the uncertain factors generated by the U.S. and China's economic clashes and trade policies, and plan out their best responses. In the meantime, they will consolidate their existing customers, while putting more resources in the Asia-Pacific region. She welcomes international guests to visit their booth at TIMTOS and have a close look at their automation filtration systems.

Uni Magnetic Industrial Company

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Booth No.: R-0908

Fax: +886-4-7810-901

Website: www.unimag.com.tw

Marposs: A World Leader in Measurement Technology

The company was established in Bologna in 1952 by Mr. Mario Possati (1922-1990). He had the idea of making the first in-process equipment for checking parts during grinding, allowing improvements in the quality and quantity of parts made by machine tools.

The starting point of the penetration into the Asian market, started with China and Korea in the mid-80s. Marposs is now present directly with its own sales and service organization in more than 20 countries and has a network of agents and distributors in a dozen countries.

Today, Marposs has become a world leader in measurement technology and it can supply products ranging from an individual gauging component to turnkey

machines or fully automated lines: all what is needed for production improvement and quality control in the workshop.

Marposs' mission is to provide precision metrology equipment for use in the workshop environment during and after machining operations. The equipment is designed and built for a wide range of in-process and post-process applications and for guaranteed performance in even the harshest shop floor conditions.

Constant growth is for sure one of the strategic objectives of our Group. Marposs has based its own growth on investments in innovations and new products, which might occur both through organic internal growth and through acquisitions.

After the year 2000, Marposs began a program of solid acquisitions of well-structured companies. Each able to supply top-quality product in its field (i.e. monitoring solutions, assembly and testing). All these companies were leaders in their fields, but operated within local areas; joining Marposs group, they take a great benefit from the worldwide presence of Marposs.

On the other hand, thanks to these acquisitions, Marposs expands its range of products and solutions. The whole group has today more than 3,500 direct employees. Among them around 1,300 work at the Italian headquarters and around 800 work in China.



Marposs Co., Ltd.

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Website: www.marposs.com

TIMTOS 2019 Sets Record Participation with Thriving Business Prospects



Taipei, March 9, 2019 - The 27th Taipei International Machine Tool Show, known as TIMTOS, has drawn a close to the six action-packed days at TWTC Hall 1 and Hall 3 and Taipei Nangang Exhibition Center (TaiNEX), Hall 1 and Hall 2. It highlighted the concept of 'Industry 4.0 and Smart Manufacturing' and showcased high precision components, intelligent machine tools and production lines, and smart manufacturing solutions incorporated with IoT and AI technologies to achieve the vision of smart factory and human-machine collaboration. TIMTOS attracted a total of 7,511 international visitors, an increase of 2.3% from last edition. The top 10 countries where international visitors came from were China, Japan, India, Malaysia, South Korea, Thailand, United States, Russia, Singapore, and Turkey respectively.

TIMTOS continuously breaks its record, with the highest number of exhibitors, booths and attendees this year, making it the largest international professional trade show in Taiwan. With 1,230 exhibitors from home and abroad in 7,000 booths, TIMTOS presents the most cutting-edge innovations, products, and technologies. Government officials, including the President of Taiwan, president of Legislative Yuan, ministers of the Ministry of Economic Affairs and the Ministry of Science and Technology even came to visit the show to see all the latest products and to acknowledge all exhibitors' effort in their ceaseless research and development.

Taiwanese Metalworking Industry Expects Growing Business Prospects

Great amount of business dialogues, networking and opportunities has happened during the show. Many exhibitors were delighted about the outcome of participating in the show. Chin Fong was praised by its displays of intelligent metal forming production line that integrated robotic arms, cloud platform and remote monitoring. It has received orders of 20 machines by day four of the show and had inquiries from Vietnam, India, Egypt, South Africa, Switzerland, Brazil and Japan. On the other hand, SEYI unveiled its intelligent manufacturing solution and various kinds of presses to be applied in automotive industry at TIMTOS this year. Its representatives expressed that they have made contact with buyers from all continents and received product inquiries



20% more than last edition. Moreover, the representatives from Excetek, an EDM manufacturer, have received orders for more than 20 units and inquiries from European, Indian and Malaysian buyers. They expressed that the outcome of TIMTOS this year has exceeded their expectation and stated that TIMTOS is definitely one of the most prominent international machine tool shows in the world.

In addition, procurement meetings were held during the show, where overseas buyers from 22 countries such as Germany, Canada, the Netherlands, Italy, Mexico, South Africa, Turkey, Russia and India to participate in 101 meetings with 46 local exhibitors to explore business opportunities.

TIMTOS Has Won Widespread Recognition from Global Attendees

TIMTOS has also won widespread praise from foreign visitors and media. For instance, a buyer from Portugal purchased five-axis machining center and more than 10 grinding machines. Taiwanese machine tools have earned worldwide recognition for their quality and price. For example, a buyer from Belgium mentioned that he has visited TIMTOS for five times, and 80% of all the machines at his company are made in Taiwan. Another buyer from Egypt ordered two vertical machining centers and appreciated for the layout of the show and services provided at TIMTOS. Besides foreign buyers, international media also praised highly of Taiwanese machine tools. The senior editor from International Metalworking News for Asia was delighted to see that Taiwanese engineers are determined to innovate and take the endeavor of digital transformation in the manufacturing industry.

Bringing Automation and Smart Solutions to the Manufacturing Industry

Alongside the abundant exhibit and business interactions happening in the showground, the organizers invited top executives from ABB, Airbus, Bosch Rexroth, Dassault Systèmes, DMG MORI, Optomec and Siemens to share their insight on the latest trends and technology development. For instance, the COO of DMG MORI emphasized the value of additive manufacturing, which can be applied during the whole manufacturing process from design, production to logistics. When discussing the topic of automotive manufacturing revolution, the regional manager of ABB commented that intelligent manufacturing is not replacing employees, instead it solves the problems on the production line, automates repetitive actions and allows employees to no longer only repeat mechanized actions. The division manager of Bosch Rexroth Taiwan shared that the number of employees did not decrease but increased after Bosch adopted the concept of Industry 4.0. The monitoring in production not only improves production efficiency, but also ensures the safety of employees on the production line.

The next edition of TIMTOS will return once again in March 2021 with a full house of exhibitors from around the world to showcase the newest and cutting-edge machines and products. For more information, please visit: www.timos.com.tw.



The fundamental dynamics of the industrial equipment manufacturing industry have changed, and everyone must change along or face potential business disruptions. One can start by realizing that business has been replaced with one that requires different strategies for building manufacturing supply chains that can withstand severe headwinds.

TIMTOS is committed to fostering innovation in the industrial equipment manufacturing industry through its 2-day Summit. Here, TIMTOS aims to provide high-quality forums that create an environment conducive to interaction among technology providers and engineers creating products.

As the drumbeat for digitization grows louder, industrial manufacturers must develop new strategies for technology investments. At the Summit, attendees from different nations are invited to look, think, and talk about the latest trends, products and solutions. Every keynote and panel discussions talked about how to obtain improved efficiency and production transparency from connected technologies and digitization.

Inspiring and noteworthy keynotes from various experts focused on: Machine Intelligence and AIoT, Additive Manufacturing, Innovation in Aerospace Manufacturing, and the Revolution in Automotive Manufacturing.

Leonor F. M. Lin, Executive Vice President of TAITRA, commented, "This Summit was the result of our successful start in 2017, in which it was very well received. As trends reshape businesses, new technologies are emerging. The next-generation of industrial technologies encompass IoT, cloud computing, artificial intelligence, 3D printing, robotics, and advanced materials, and we are honored to have such an international speaker lineup that will help drive the future and inspire possibilities."

Speakers included: Bernhard Meyer, SAP Global Solution Manager, Industry Business Unit, Industrial Machinery & Components (IM&C), Arthur Liu, Vice President, ITTS, Wen-Yuh Jywe, President of National Formosa University, Jay Lee, Professor at the Univ. of Cincinnati, K.C. Chuang, Honorary Chairman of TAMI, Dr. Neun Harald, COO, DMG MORI, Pascal Pierra, General Manager, Asia Pacific, Optomec, Oscar Yang, Sales Director of Great China, Road Ahead Technologies

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Industrial machines are incredibly complex and manufacturers are under pressure from customers to meet several new production requirements. This includes designing tools that can be rapidly adapted to new products and building machines that can be quickly integrated into existing plants. Customers expect these machines to achieve maximum daily uptime. The machines must also to be built with enough forward-thinking design flexibility that they remain useful and productive as technology continues to evolve. In order to meet the innovation challenges of smart machine era, business owners and leaders will need to be on top of their game when it comes to understanding these trends. Smart machines will have to be matched by 'smart businesses' that know how to compete and stay relevant as digital technologies and automation become even more ubiquitous and start to dominate the workplace.

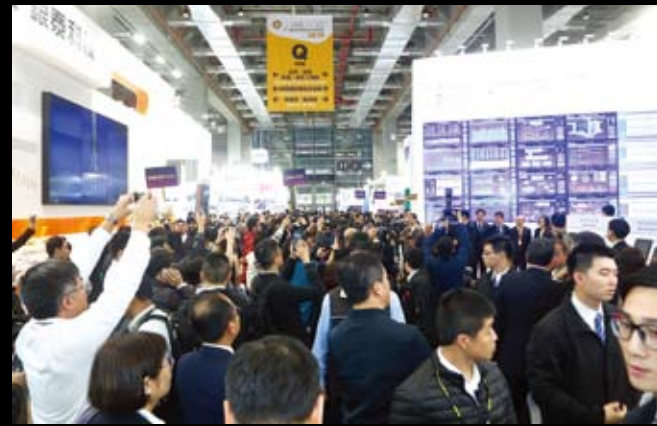
With the increasing number of smart factories, the skills gap among employees expands. Modern technologies implemented in production require qualified specialists and data scientists who understand new processes and can manage them.

It can be also difficult for industry executives to make decisions due to lack of knowledge and IoT competencies. To address this problem, educational training on the Internet of Things and other technologies should be implemented as soon as possible. One more challenge is how to seamlessly incorporate all devices into a huge manufacturing infrastructure. In this case, other intelligent solutions such as artificial intelligence, machine learning or augmented reality should be used to simplify the process.

To sum up, the potential of smart manufacturing is enormous and should not be overlooked. The main task of business leaders is to realize this power and trust in the success of the digital transformation.



SHOW PHOTOS





Boudy is very much impressed by the good quality of Taiwanese machine tools. He has bought two Vertical Machining Centers (VMCs) in the first day. He likes that TIMTOS 2019 shows many total solutions which he finds interesting. Regarding the layout and arrangement of this show, Boudy uses "impeccable" to describe how he feels. He thinks that everything about this show is very good.

KHALED EL BOUDY
Alex Power Technology
Egypt



Kathryn has visited TIMTOS for four times. She says it's nice to see that Taiwan has such determined and creative engineers who want to do a lot of technologies to better the industrial manufacturing industry. Urged by digital transformation and smart technologies, Taiwan manufacturers are indeed technology driven.

KATHRYN GERARDINO-ELAGIO
International Metalworking
News for Asia
Philippines



As the TIMTOS official show daily publisher, Lake from Ringier Trade Media is totally impressed by the responsible, careful and detailed working style of partner colleagues from the trade show organizers. Lake thinks this is one of the many important reasons that have made TIMTOS 2019 an unprecedented success in its history. He feels the profession everywhere at the show, from the shuttle bus, to the media center, and even to the toilet!

LAKE SHI
Ringier Trade Media
China



This is Alshidiq's first time in Taiwan. Having learned about TIMTOS from Singapore, everything is 100% new to him. He is very excited to see so many Taiwanese machine tools. Alshidiq is wishing he could see all the machines shown in the show. But since there are 7,000 booths displayed in four sites, Alshidiq worries that the clock is ticking.

AHMED ALSHIDIQ
Eastern Trade Media Pte. Ltd.
Singapore



Cao says nothing but high praises about the show. She noticed that there are many flowers in each site which makes her feel happy every time she visits the exhibition halls. Cao also finds it easy to find the booths she wants to pay a visit. Also, she is impressed how most of the exhibitors are showing the advanced machines equipped with the latest trends, no matter how young those makers are.

CAO SHENGYU
Metal Working Magazine Agency
China



With all her many experiences attending exhibitions, Elizaveta told Show Daily team that she has found a CNC machine made by a Taiwanese manufacturer, which she has never seen before. She is writing the story about this machine and the article will be printed out in her Russian Industrial Regions May 2019 issue.

ELIZAVETA VOITCEKHOVSKAIA
Russian Industrial Regions
Russia

Taiwan Machine Tools Industry Awarding the Smart Machinery Innovators



The 14th Awards Ceremony of the Taiwan Machine Tool Industry Awards for Excellence in Research Innovation honors companies and their technologies that have made outstanding contributions to innovations and development in Taiwan's machine tools industry. The ballroom was packed with executives, professionals, media, VIPs and more. All excited to know who will bag the number of awards in this year's ceremony.

Echoing TIMTOS 2019's theme: "Industry 4.0 & Smart Manufacturing," smart machinery is included as a special category in the competition to encourage innovation and development of the industry.

With the new trends in industrial manufacturing, the industry is entering into a new phase of development. Component and machine tool builders play an important role in supporting

industry upgrade through enhancing supply chain efficiency.

TAITRA President & CEO Walter Yeh once said that there is a full-fledged machine tool industry supply chain in Taiwan, complete with the capability to implement robotics, sensors, Internet of Things, and Big Data applications to achieve more flexible, rapid and smarter production lines.

The academic, government and private sectors have been actively investing in the research and development of key components innovation, artificial intelligence, human-machine collaboration, system integration, and production automation", he adds.

A total of 43 entries were submitted this year reviewed by a judging panel comprising of notable committees in the field of machinery tool design and manufacturing. The competition was conducted by product categories and subcategories.

Here are the results of this year's intense competition.



Winners of Taiwan Machine Tools Industry Award 2019 For Excellence in Research and Innovation

ALL CNC MACHINE TOOLS		
Prize	Company	Products
Supreme Excellence Award	Ching Hung Machinery & Electric Industrial Co., Ltd.	HD886L-High speed milling compound EDM

MACHINING CENTER		
Prize	Company	Products
Grand Champion Award	YEONG CHIN MACHINERY INDUSTRIES CO., LTD.	NFX800B-MPS Intelligent Multi-Axis Flexible Manufacturing System
Award of Eminence	Campro Precision Machinery Co., Ltd.	Vertical, Machining Center(NV-1280)
Award of Eminence	QUASER MACHINE TOOLS, INC.	UX500P APC 5 Axes Machine Center
Award of Eminence	SIGMA CNC Technology Machinery Co., Ltd.	CNC Double Column Five-Axis Machining Center (Heavy Cutting)-S5A-4732HH

CNC Lathe		
Prize	Company	Products
Grand Champion Award	GOODWAY MACHINE CORP.	GTW-1500 TURRET/GANG TOOLING MULTI-AXIS TURNING CENTER
Award of Eminence	L&L Machinery Industry Co., Ltd.	Smart Heavy Duty Multi-Axis Complex Machine, LLS-M
Award of Eminence	Campro Precision Machinery Co., Ltd.	CNC Turning & Milling Center NT-208SY



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OTHER NC MACHINE TOOLS

Prize	Company	Products
Grand Champion Award	Ching Hung Machinery & Electric Industrial Co., Ltd.	RV853L-Intelligent Linear Motor Drive Wire EDM
Award of Eminence	ACCUTEX TECHNOLOGIES CO., LTD.	AP+6040A+Wire EDM Machine
Award of Eminence	TOP WORK Industry Co., Ltd.	TP-4, 4-Axis CNC Cylindrical Grinding Machine
Award of Eminence	Excetek Technologies Co., Ltd.	NP500L 智慧化高精度線馬線切割加工機

COMPONENT FOR CNC MACHINE TOOL OTHER NC MACHINE TOOLS

Prize	Company	Products
Grand Champion Award	HIWIN Technologies Corporation.	Colling Type III, R40-16K3-FDCC3
Award of Eminence	SYNTEC TECHNOLOGY CO., LTD.	Ethernet-based Open CNC Platform-SYNTEC 220MA Series Controller
Award of Eminence	HIWIN MIKROSYSTEM CORP.	CRE absolute resolver direct drive motor system TMY65D
Award of Eminence	HABOR PRECISION INC.	HIG series-DC inverter cooler HBO-N750PTSA8

INTELLIGENT MACHINE TOOLS OR KEY COMPONENTS FOR ALL CNC MACHINE TOOLS AND KEY COMPONENTS

Prize	Company	Products
Special Award	YEONG CHIN MACHINERY INDUSTRIES CO., LTD.	NFX800B-MPS Intelligent Multi-Axis Flexible Manufacturing System
Award of Eminence	Ching Hung Machinery & Electric Industrial Co., Ltd.	RV853L-Intelligent Linear Motor Drive Wire EDM
Award of Eminence	SYNTEC TECHNOLOGY CO., LTD.	Ethernet-based Open CNC Platform-SYNTEC 220MA Series Controller
Award of Eminence	SHIEH YIH MACHINERY IND. CO., LTD.	Intelligent Manufacturing Management System

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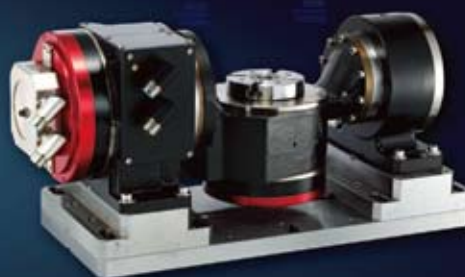
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SVMA系列 (IP23)感應伺服器馬達

(IP23) Compact Asynchronous motors Quick positioning. High torque moment. Efficient cooling

產品特性

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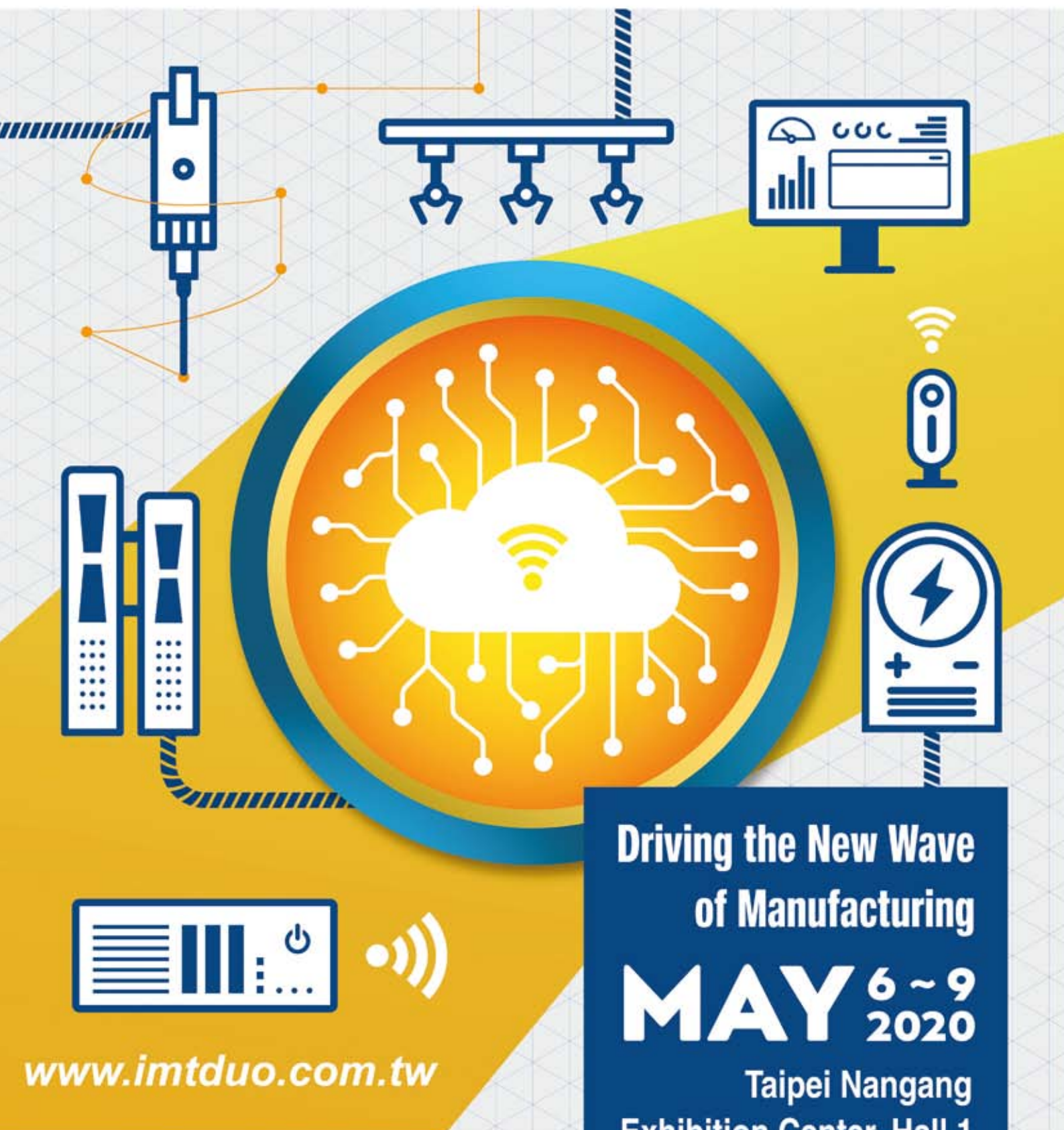
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