

## TAIWAN TRADE CENTER, ISTANBUL

📍 ESKI BUYUKDERE CADDESİ, MEYDAN SOK NO: 3 VEKO GİZ PLAZA, KAT.:13, MASLAK 34396, ISTANBUL, TURKEY  
☎ + 90 - 212 - 2904000  
📠 + 90 - 212 - 2904005  
✉ istanbul@taitra.org.tw

## TAIWAN TRADE CENTER, WARSAW

📍 UL. EMILII PLATER 53, 17 PIĘTRO, 00-113 WARSZAWA POLAND  
☎ + 48 - 22 - 3705210  
📠 + 91 - 44 - 30063627  
✉ warsaw@taitra.org.tw

## TAIWAN TRADE CENTER, BUDAPEST

☎ + 36 - 1 - 2664662  
📠 + 36 - 1 - 2664665  
✉ budapest@taitra.org.tw

## TAIWAN TRADE CENTER, SOFIA

☎ 359 - 2 - 4899736  
📠 359 - 2 - 4899734  
✉ sofia@taitra.org.tw

## TAIWAN TRADE CENTER, KYIV

☎ 380 - 44 - 5370982  
📠 380 - 44 - 5370983  
✉ kyiv@taitra.org.tw

## TAIWAN TRADE CENTER, BUCHAREST

☎ 40 - 21 - 3119971  
📠 40 - 21 - 3119974  
✉ bucharest@taitra.org.tw

## TAIWAN TRADE CENTER, BARCELONA

☎ 34 - 93 - 2419306  
📠 34 - 93 - 4147503  
✉ barcelona@taitra.org.tw

## TAIWAN TRADE CENTER, PARIS

☎ 33 - 1 - 56895300  
📠 33 - 1 - 56895301  
✉ paris@taitra.org.tw

## TAIWAN TRADE CENTER, MILANO

☎ 39 - 02 - 20241008  
📠 39 - 02 - 20422986  
✉ milan@taitra.org.tw

## TAIWAN TRADE CENTER, DUESSELDORF

☎ 49 - 211 - 78180  
📠 49 - 211 - 781839  
✉ dsdf@taitra.org.tw

## TAIWAN TRADE CENTER MUNCHEN

☎ 49 - 89 - 5126710  
📠 49 - 89 - 51267171  
✉ munich@taitra.org.tw

## TAIWAN TRADE CENTRE, LONDON

☎ 44 - 20 - 6384676  
📠 44 - 20 - 76288170  
✉ london@taitra.org.tw

## TAIWAN TRADE CENTER, ROTTERDAM

☎ 31 - 10 - 4460300  
📠 31 - 10 - 4625265  
✉ rotterdam@taitra.org.tw

### ORGANIZED BY:



Bureau of  
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Taiwan External Trade  
Development Council



Corporate Synergy  
Development Center



www.twmt.tw



**TAIWAN**  
SMART MACHINERY



**YOUR**  
**INTELLIGENT PARTNER**

# ABOUT TAITRA

Founded in 1970 to help promote foreign trade, the Taiwan External Trade Development Council (TAITRA) is the foremost non-profit trade promotion organization in Taiwan. Jointly sponsored by the government, industry associations, and several commercial organizations, TAITRA assists Taiwan businesses and manufacturers with reinforcing their international competitiveness and in coping with the challenges they face in foreign markets.

Since its establishment, TAITRA has developed a well-coordinated trade promotion and information network composed of over 1,200 trained specialists stationed at its headquarters in Taipei, in four local branch offices in Hsinchu, Taichung, Tainan, and Kaohsiung, as well as in over 60 representative offices around the world.

In association with its sister organizations, the Taiwan Trade Center, Inc. (TTC) and the Taipei World Trade Center (TWTC), TAITRA continues to do everything possible to adapt its trade promotion strategies to the changing international trends and conditions. TAITRA's major functions include Market Development, Strategic Marketing, Trade Information Services, Exhibitions, Convention Services, Trade Education, and TaiwanTrade (an e-Trading Hub service).

Tremendous business opportunities can be found in Taiwan's dynamic economy. Taiwan's strategic location, infrastructure and capital make the island an ideal springboard for business operations throughout Asia and the Pacific Rim. TAITRA, together with its experienced trade specialists, all stand ready to help you do business with Taiwan.



TAITRA

**Taiwan External Trade Development Council**

5-7Fl., 333, Keelung Rd., Sec. 1, Taipei 11012, Taiwan

Tel: +886-2-2725-5200

Fax: +886-2-2757-6652

E-mail: [taitra@taitra.org.tw](mailto:taitra@taitra.org.tw)

[www.taitra.org.tw](http://www.taitra.org.tw) ; [www.taiwantrade.com.tw](http://www.taiwantrade.com.tw)

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# Taiwan is your intelligent partner to upgrade your manufacturing

## Taiwan is a key player in the manufacturing sector.

Taiwan is the 4th-largest exporter of machine tools in the world. With its host of advanced metal processing and manufacturing technology and rich international service experience, Taiwan has gained trust and credibility by world renowned automobile/aerospace manufacturers and has proved itself to become a reliable partner in the world.

## Industry 4.0 in Taiwan

In light of Industry 4.0 and other smart manufacturing trends, Taiwan is utilizing its technological advancements in ICT, big data, machine-to-machine networking, cloud computing, and other new technologies, to develop smart machine tools, automated equipment, industrial robots, and various smart facilities, which help manufacturers reduce costs, improve efficiency, and strengthen their competitive advantage.



### Smart Solution

Smart manufacturing solution that integrates sensor technology, gateway, and cloud technology



### Servitization

Provides extended services that meet customers' needs



### IT+OT+CT

Offer complete solution that integrates IT, OT, and CT.



### Flexibility & Share Resources

Worldwide network of real time service



### Value-added Outputs

Provides products with great quality, efficiency, and cost control

## Taiwan Smart Manufacturing Solutions shape the future for both OEM and manufacturers

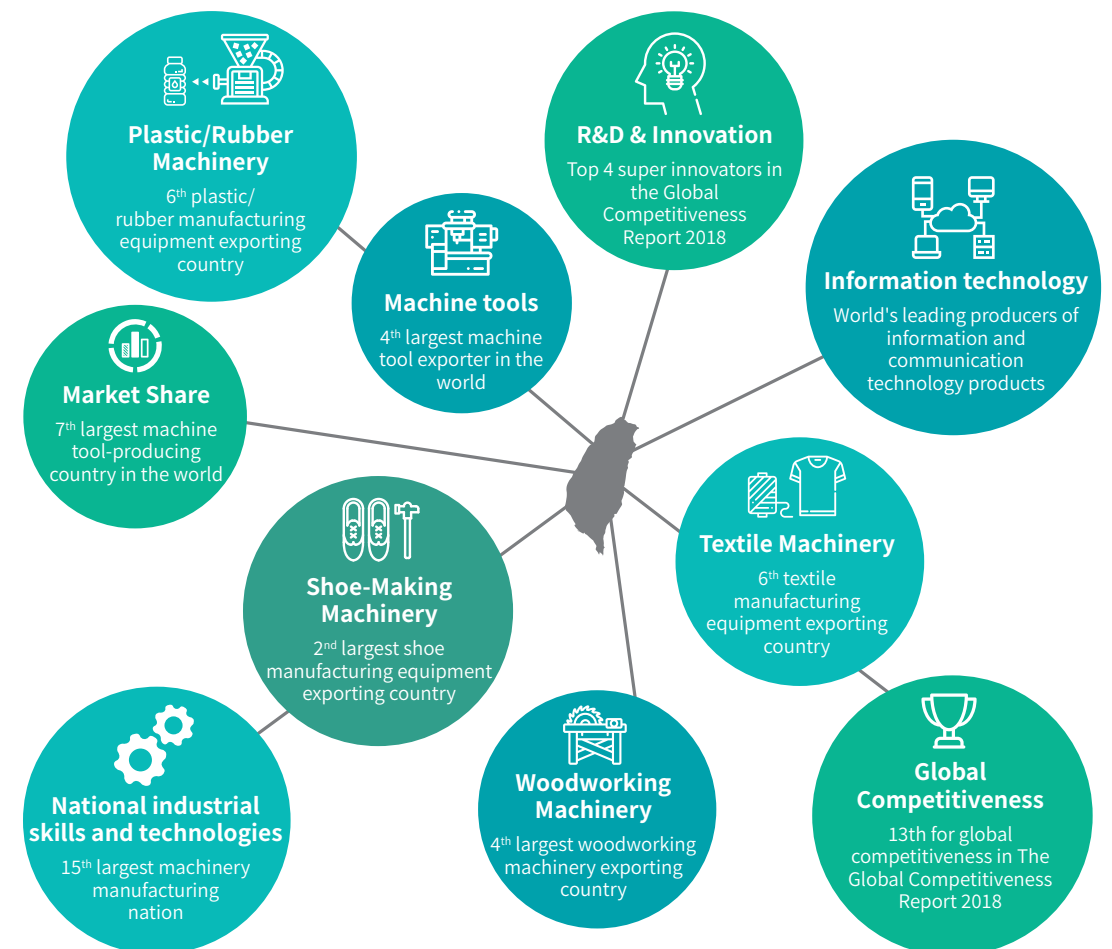
Taiwanese manufacturers have already begun embedding smart functions (such as temperature compensation, anti-collision, manufacturing process optimization, visual monitoring systems, automatic data collection & analysis and machine learning for predictive maintenance) into machines, as well as provide automated manufacturing cells and production lines by integrating automation facilities (such as robotic arms) into automakers.

In addition to top-notch technology, Taiwan's extensive experience in worldwide services makes Taiwan an essential partner with the expertise and insights for tailor-made solutions, assisting in selecting the most practical, cost-effective technologies and equipment, overseeing implementation, smart management, to get the greatest ROI and production quality. Taiwanese solutions enable you to be competitive in the market and make a quick reaction to fast-changing markets.

In the Industry 4.0 era, advanced technologies and talent are the top drivers for market competitiveness. Isn't it time for you to discover your smart path now?

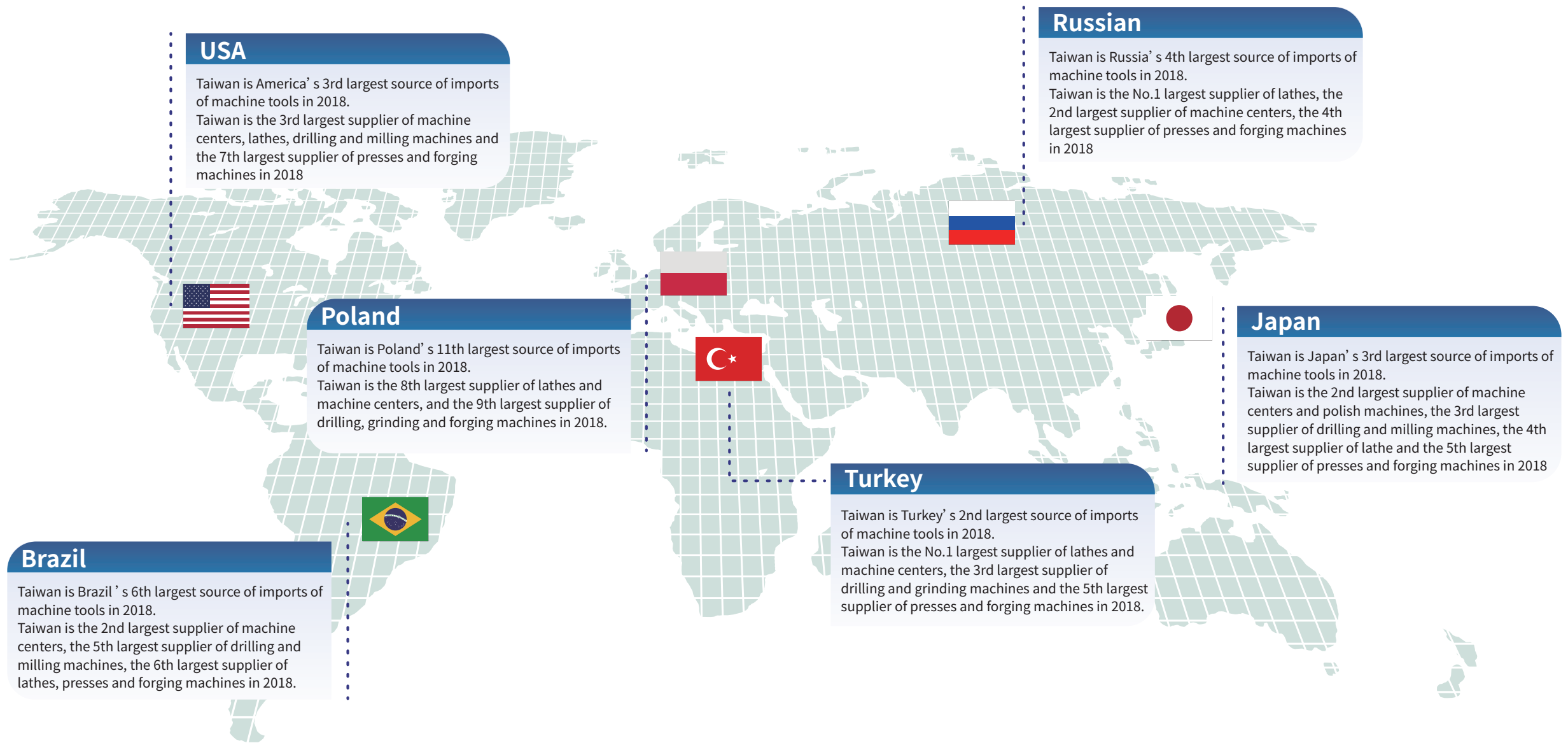
Today it's time to shift your production to higher value, partly to avoid price wars and partly to make it possible to offer new product-as-a-service and service-based pricing models. Let Taiwan be your trusted partner and build a smart manufacturing future together.

## Fact about Taiwan Manufacturing advantage





# Taiwan's competitive R&D capacities produce excellent quality machine tools and meet the strict requirements of world manufacturers



## India

Taiwan is India's 5th largest source of imports of machine tools in 2018.  
Taiwan is the 3rd largest supplier of lathes and machine centers, the 4th largest supplier of grinding machines and the 5th largest supplier of presses and forging machines in 2018.

## Germany

Taiwan is Germany's 10th largest source of imports of machine tools in 2018.  
Taiwan is the 4th largest supplier of drilling and milling machines, the 7th largest supplier of machine centers and the 12th largest supplier of presses and forging machines in 2018.

## Spain

Taiwan is Spain's 6th largest source of imports of machine tools in 2018.

## France

Taiwan is France's 7th largest source of imports of machine tools in 2018.

# CHIN FONG MACHINE INDUSTRIAL CO., LTD.

- No.186 Chang Shui Road, Chang Hua City 50071, Taiwan (R.O.C.)
- +886-4-752-4131 ext. 6218
- JamesHsu@chinfong.com.tw
- www.chinfong.com.tw
- Mr. James Hsu

Chin Fong Machine was founded in 1948, the biggest maker of the mechanical power presses in Taiwan. With strong R&D team and professional machining centers, we are capable of design and manufacture durable and quality presses and sell to the worldwide.

Chin Fong is famous for offering the best quality products. A goal to become the leading press maker never ends. We keep with our humble minds and professional capacity to offer the best product and service.

We treasure the long-term relationship with our partners and customers. Chin Fong's business cores are to offer the best "service" to honorable customers, commitment into "innovation" and create new value, and "feedback" the profit to the society.

Persistence and expecting to be total solution provider and global leading manufacturer in metal forming field. Chin Fong does the effort on the foundation of mutual trust and benefit working together with honorable customers; we believe we shall achieve the goal in the near future.

## Competitive and Advantage

- Chin Fong Machine is famous for offering the best quality. With strong R&D team and professional machining centers, we are capable of design and manufacture durable and quality presses and sell to the worldwide.
- Chin Fong Machine takes the lead of providing intellectualized pressing machines to reach the market's demand

## Product Application

- Mechanical Stamping Press**  
The application of mechanical press can varies from automobile, metal hardware, and home appliance, etc. It can achieve the greatest production speeds, especially when running relatively flat parts with simpler, shallower forming requirements.
- Servo Press**  
We have developed servo press for more than 10 years. Our servo presses are never like traditional presses. Servo presses are ideal for applications that require a variable slide velocity at multiple points in the stroke profile, including metal forming and shallow to medium drawing and forming.



## Product

- Mechanical Stamping Press
- Servo Press



## Our best solution for nowadays manufacturing challenge

There are a lot of entry level pressing and forging rivals in the market. In order to keep technical lead and product value, Chin Fong provides intellectualized pressing machine to reach the market's demand. By applying IOT, there comes massive information that can be helpful for manufacturing, equipment monitoring and maintenance & servicing. Besides, through forecast system, there will be warning signals before any machine issues, searching the nearest servicing car by GPS and providing maintenance very quickly. By doing so we can introduce more safety and reliability into our products, our customers have a smooth manufacturing process as a result.



Mr. Paul Lin  
Regional  
Sales Manager



# DA JIE ELECTRICITY MACHINERY

- No. 22, 12 th Rd., Industrial Park, Dali Dist., Taichung City, 412Taiwan
- + 886-932-644-755
- dajieco@yahoo.com.tw
- www.dajieco.com/cht/aboutus.htm
- Mr. Chen-Feng, Hsieh (Silver)

DJE, founded in 1973, selling products worldwide with the brand "DA JIE", has a vision of becoming the "global green, high-efficient and power-saving leading supplier of metal-heating applied equipment". "DJE" uses the strategy to "create client's highest value", sets the brand's core idea as the "leading brand of advanced metal-heated machining products"; products are applied in water tank, vehicle & machinery industries.

## Product

- Electric Upsetters
- Welding Machines
- Automatic Equipment System
- Turnkey Equipments

## Competitive and Advantage

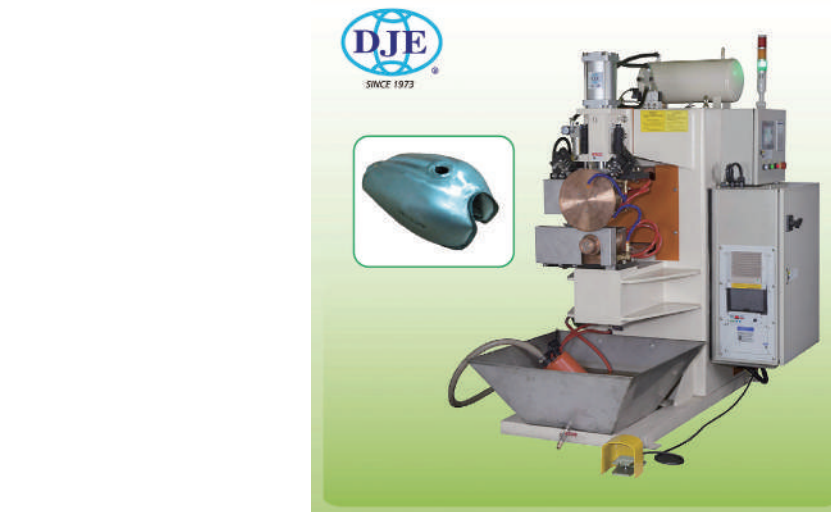
Use intelligent control as core technology; offer clients power-saving welding quality; increase production rate & above 30% in power-saving.

## Product Application

products are applied in water tank, vehicle & machinery industries.

## Major Customers

More than 55 countries, such as Nissan, Ford, Philips, National, Toyota and others



# KAO MING MACHINERY INDUSTRIAL CO. LTD

No.53, Houke S Rd., Houli Dist., Taichung City 42152, TAIWAN  
+886-4-2557-7650  
km@kaoming.com.tw  
www.kaoming.com  
Ms. Andrea Chen / Ms. Winnie Chiang / Ms. Jessica Wang

Kao Ming Machinery Industrial Co. Ltd, the first double column machine producer, specialize in machine tool manufacturing field especially the experience of cooperation with automobile manufacturing, aviation and weapon manufacturing. Possessing strong a R&D team and total solution team, building a strong sales and service network with more than 60 agents and more than 200 service centers all over the world to offer our customers the most rapid, excellent and accurate service.

With full experience, constant temperature plant and 100% home-made key components (gear head spindle, gear box, ATC...) which provide sufficient condition to make high precision, efficient, stable, huge and customized machine. Recommending optional accessories for different feature workpiece to meet our customers' need. Let our manufacturers have a good control on cost and their manufacturing.

## Product

Machining Center, such as five-face, multi-face, five axis tool machine; high speed tool machine; hydraulic radial drills

## Product Application

Aerospace Industry, automobile manufacture industry, shipbuilding industry, green energy, Automobile mold, plastic mold and die casting



## Competitive and Advantage :

- Over 50-year experience
- 100 % homemade key component (gear head spindle, gear box, ATC...)
- Strong R&D and total solution team
- Stable, diversified, efficient, huge machine
- More than 60 global agents, 200 service center around the world



## Major Customers

- USA: Mulgrew Aircraft Components, Inc, Acieta, Extreme Machine and Fab Inc.
- Germany: Hermann, Baum
- Turkey: Ag Havacilik, Floteks
- China: Shen Zhen Silver Basis Technology Co., Ltd
- India: Lakshmi Machine Works Limited, TATA power, Ace Multi Axes Systems Limited, Ace Manufacturing Systems Ltd



Mr. Tim Chang  
General Manager

## Our best smart manufacturing solution

Turkey and Poland are both important automobile industry countries with geographical advantage in Europe. However, after-sales service need to take a long time to wait and it's also difficult to meet manufacturers' need, due to the vast territory and non-modular machines.

Kao Ming can provide manufacturers with customized diverse machine to realize one machine equivalent to an entire production line. Furthermore, remote diagnosis function enable manufacturers to troubleshoot, renew software etc. in short time to achieve cost cutting, time saving and quality ensuring.



# PALMARY MACHINERY CO., LTD.

No. 77, Gongye Rd., Dali Dist., Taichung City 412, Taiwan  
+886-4-2492-9799  
palmary@grinding.com.tw  
www.palmary.com  
Ms. Elyn Huang

As a professional manufacturer of grinding machine, Palmary Machinery Co., Ltd. produce a wide range of Centerless grinder, Cylindrical grinder, Internal grinder and Vertical grinder in manual, nc & cnc versions since 1998.

Over the years of strictest quality control and proceed TQM (Total Quality Management) and Lean Production management, also the MES (Manufacturing Execution System) method to operate in production line, Palmary has been awarded the international certifications included CE Certificates and ISO 9001.

Based on two production bases, more than 16,000 square meters space, we make more than 420 no. grinding machines annually for over 40 countries clients worldwide.

Palmary constantly provide professional technical support, various grinding solutions including auto loading device and the prompt service to meet all the customers high accuracies and automatic demands on grinding machines.

## Product

Centerless grinder, Cylindrical grinder, Internal grinder, Vertical grinder, Surface grinder



## Competitive and Advantage

The machine bed structure is manufactured from Meehanite cast iron, heat treated and stress relieved before machining. Slideways are high frequency hardened and precision ground. Maximum material stability for deformation-free and outstanding wear resistance.

For CNC type grinder, it equipped with an advanced CNC Fanuc control, featuring operator-friendly operation with maximum control convenience and greatly upgrade production efficiency. Depends on different models it's possible to have optional Siemens or Fagor controller.

## Product Application

For components need to grind outer diameter and/or internal diameter and/or end face, Palmary could offer the suitable grinding machine with a total solution.

The components which need the grinding process could be from various industries, such as Automotive and motorcycle industry, Mechanical components, Aerospace industry, 3C industry, Green energy, Mould manufacturing and Medical industry.

## Major Customers

- KYB in China
- KYB in Malaysia
- EXEDY in Indonesia



## Our best smart manufacturing solution

Palmary provides different type of CNC grinding machine with customized automatic loading applications for parts involved in varies industries, includes automotive and motorcycle.

Our multi-function grinding machine could meet the grinding requirement for outer diameter, internal diameter, surface and profile applications at one time setting.

For better accuracies control, our machine could install control devices such as grinding wheel automatic balancing system, gap and crash control and auto gauging system.



Mr. Tiger Wang  
General Manager



# SIGMA CNC TECHNOLOGY MACHINERY CO., LTD.

No.53, Ta-Jiumn Rd., Shengkang, Taichung, Taiwan  
+886-4-25628000  
sigma.cnc@msa.hinet.net  
www.sigmacnc.com.tw  
Mr. Hermann Hsieh

## Expertise, Innovation, Performance

Established in 2000, SIGMA CNC Technology Machinery Co., Ltd. specialized in design and manufacture of CNC double column machining centers and CNC high precision double column grinding machines. Since its establishment, we have always thoroughly implemented the company's concept of "Expertise, Innovation, Performance". In addition to presenting newly developed machines to meet the market trends and demands, we also constantly strengthen the company's structure to cope with the challenges of business operation.

## Product

- CNC Double Column Machining Center
- CNC Double Column V & H Head 5-Face Machining Center
- CNC Double Moving Column Horizontal Machining Center
- CNC Double Column 5-Axis Machining Center
- CNC Horizontal High Speed Machining Center
- CNC Gantry Type 3-axis/5-axis Machining Center
- CNC Linear Guide way Grinding Machine

## Competitive and Advantage

At SIGMA CNC, we have a team of professional talent with expertise in various fields and 10 to 20 years of experience. Based on our excellent human resources in combination with company's support in technical research and development, all developments of new machines can be accomplished in a schedules period. Moreover, our R&D department also focuses on the developments of advances machines to meet the precision machining requirement in the high-tech era.

## Product Application

Various auto part and molds



# YEONG CHIN MACHINERY INDUSTRIES CO., LTD.

No. 888, Sec. 1, Homu Road, Shengang District, Taichung 42953, Taiwan  
 +886-4-25623211  
 sales@YCMCNC.com  
 www.YCMCNC.com  
 Mr. Alex Wei

Founded in 1954, YCM (Yeong Chin Machinery Industries Co. Ltd.) specializes in machine tool manufacturing. YCM machine tools have been recognized worldwide for superior precision, outstanding rigidity and exceptional reliability. With 65 years of machine tool manufacturing experience, YCM has established a strong foundation in the field of machinery.



## Product

Vertical Machining Centers, Double Column Vertical Machining Centers, Horizontal Machining Centers, CNC Lathes, 5-axis Vertical Machining Centers

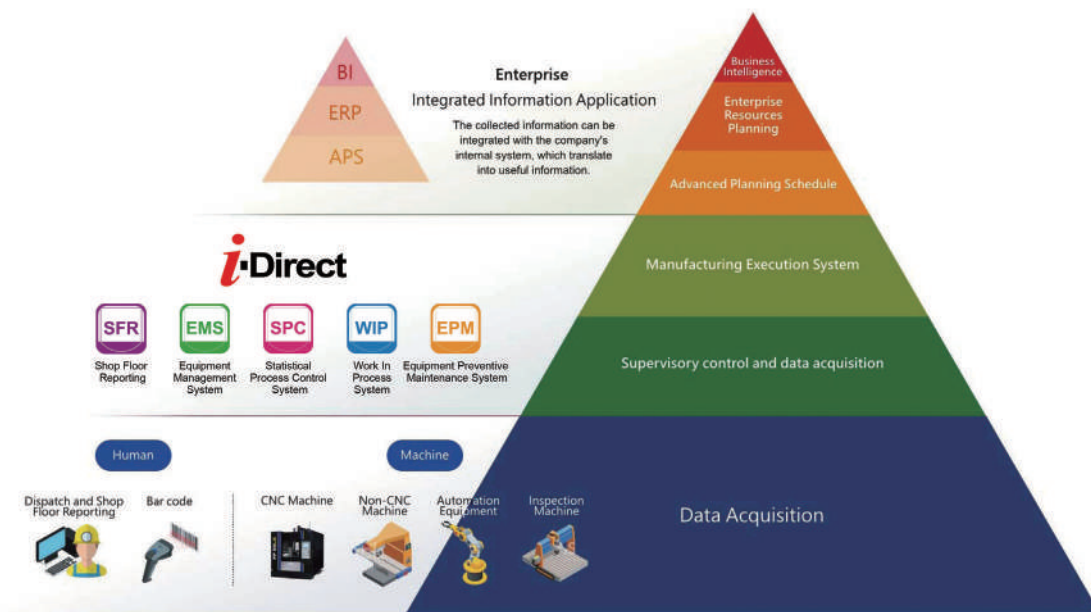
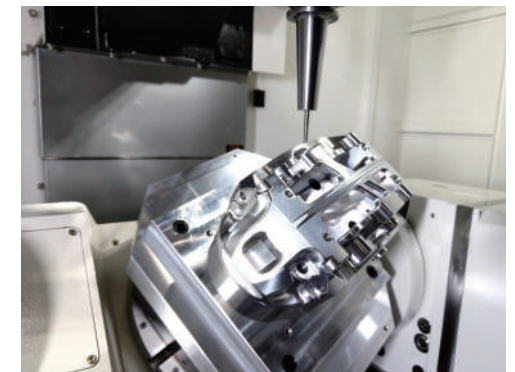
## Competitive and Advantage

YCM has set herself as the "Total Solution Provider" in the field of metalworking, providing top quality products with integrated solutions beyond customers' expectation. After years of effort, with a wide range of machining centers and CNC turning centers, strong component and software development capabilities, YCM can provide customers with the best solution according to different demands and bring competitive advantages to a whole new level.



## Product Application

Application in diverse industries, such as aerospace, automotive, die & mold, micromachining, and job shop.



Mr. Alex Wei  
Sales representative

## i-Direct - The Path to Smart Manufacturing

YCM developed the new "i-Direct" intelligent IIOT platform. "i-Direct" IIOT platform performs as an intelligent production management system that links all equipment in the factory for data collection and analysis, allowing the use of visualization-based remote monitoring, control and dialogue. The system gathers information for real-time operations and acquires data including equipment utilization and overall equipment effectiveness (OEE) rates; this enables managers to monitor and manage entire factories, instantly check the status of production, quickly identify and eliminate bottlenecks in the production process, and optimize production for maximum efficiency.





