



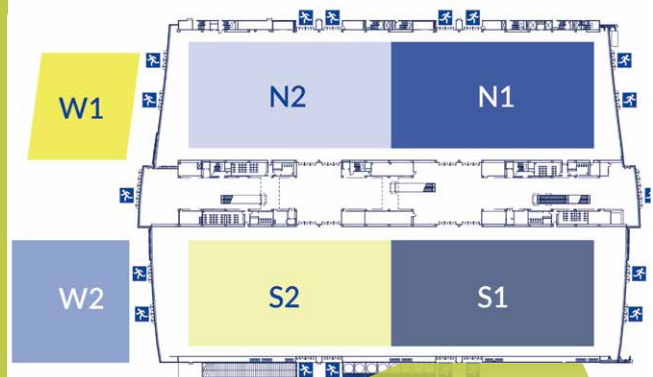
台灣國際扣件展
Taiwan International Fastener Show

Taiwan International Fastener Show 2023

"Taiwan International Fastener Show" will return to Kaohsiung Exhibition Center on May 3-5, 2023! This year's exhibition will focus on the three main highlights of Taiwan fasteners: "High Quality", "High Technology", and "High Added Value" and is expected to attract nearly 300 exhibitors using nearly 900 booths to display a variety of fasteners, screws & nuts, production equipment, fastening tools, molds & dies, inspection instruments, wire materials, and other related products and services. It is expected that more than 1,500 foreign buyers will come to Taiwan for purchasing, which will bring more business opportunities to the fastener industry.

During the exhibition period, a series of activities will be held, including: Global Fastener Forum, inviting speakers from both domestic and overseas industries to analyze the global fastener economy, ESG, and share fastener smart manufacturing case studies; as well as a series of activities such as 1-on-1 procurement meetings, ManufacturersWin podcasts, live tours, and guided tours. The exhibition will provide visitors with an international and enriching experience.

The strength of Taiwan fastener industry is evident to all international visitors. In last edition, the show attracted 417 exhibitors booking 1,110 booths and 2,193 international buyers from 73 countries, representing a 10% increase over the previous show. The number of domestic and international visitors exceeded 30,000. 90% of the buyers were satisfied with the show, and more than 80% of them said they would come back to Taiwan in 2023.



JINGFONG INDUSTRY-

Making Simple Nuts to be Industrial Fine Works

Booth No.
S1348



JINGFONG

Since 1980

Dedicated to the R&D in nuts for 40 years, JingFong Industry Co., Ltd. has been active in the field of precision nuts. In addition to winning Taiwan Excellence Award for two consecutive years, it has also developed a variety of lock nuts for small and medium-sized passenger cars/commercial vehicles and construction fasteners this year, and also successfully developed an anti-loosening assembly part with two nuts in collaboration with a Japanese customer. The excellent technical R&D ability of this invisible champion of the industry is trusted by advanced application customers in Europe, USA and Japan.

3 Main Products to be Showcased at Fastener Taiwan 2023

At Fastener Taiwan 2023, JingFong aims to extend its product portfolio to EV assembly, construction, railway and other applications to attract buyers from Europe and the U.S., as well as to enter the supply chain of Japanese automotive market. At the same time, it will also exhibit 3 main products to demonstrate its OEM capability to fastener manufacturers and large traders from all over the world, including:

- 1. Prevailing Torque Type Hexagon Nuts with Flange-**
These nylon flange nuts featuring anti-loosening, durability and corrosion resistance are specified by M. Benz for use in its automotive suspension fastening and are certified by Daimler MNB 13025 and electroplated with DBL 9440.47. The pitch difference between the nut and the bolt improves the contact tightness without stripping, and the nylon washer can also prevent other mechanical equipment joints from being damaged, reducing maintenance costs.
- 2. Adjustment Nuts for Shock Absorber Piston Valve-**
Its thinness has reached the strictest requirement of the cold forging process. Compared with its competitors' surface roughness of Rz6.3, JingFong can achieve Rz4.3. The concentric circle and cylindrical tolerance of the nut is also controlled to be less than 0.1mm. The technical specifications, stable quality and cost advantages have enabled JingFong to establish a long-term collaboration with SACHS, a major shock absorber manufacturer, and supply 50 million pcs every year to SACHS' global assembly plants (representing more than half of its global demand).
- 3. Piston Nuts for Performance Car Suspension Module-**
It can replace the old lock nuts and improve the issue of chippings dropping into the piston valve to avoid noise during operation. The new pressed point design provides the shock component with loading and anti-loosening abilities. The surface roughness is improved to be Rz6.3 to reduce frictional wear. The tolerance of the bearing surface is 0.05mm (max.) and the stable drill-in torque can avoid chipping.



Investing in Technology Upgrade in Response to Industry Change

In the vehicle assembly and parts market, JingFong is actively developing new value-added inhouse processes to reduce costs and lead time. At the end of 2022, it completed the setup of its own zinc-nickel plating line with a monthly capacity of 240 tons and meeting CQI-11 requirements. It has also completed the integration of key processes such as production quality monitoring, machine networking, production visualization, IT core system integration (MES), factory-wide production real-time traceability, die life management, and carrier RFID management to create a smart factory. Facing the trend of EV lightweighting, it is also actively contacting EV assembly plants, developing other metal forming processes, and working with customers on end product design. It has also introduced various CNC machines and strengthened the internal technology training in order to provide more competitive finished fasteners. It has also obtained patents from Taiwan and Thailand for the development of welding frictional rebar couplers for construction applications.

Consolidating Orders from Europe/USA and Expanding into Japan

95% of JingFong's products are sold to Europe and USA. Benz, PACCAR, Tesla, Nissan, Kia and other leading manufacturers are all end customers of its products. Recently, it has been actively developing the Japanese market by participating in M-Tech Osaka, M-Tech Tokyo, Fastener Fair Global and overseas sales missions, hoping to explore more business opportunities in the field of automotive, construction and railway fasteners. "We have unique technology, including product design and 3D stress simulation, process quality analysis tools, full equipment interconnection, quality visualization, real-time product traceability, and other intelligent manufacturing environment to meet customers' requirements for shorter lead times and higher quality products, and to provide more immediate and flexible responses in processes such as design, production, and distribution." said JingFong. "We are also planning visits to our factory at Fastener Taiwan this year and welcome buyers to contact us early."

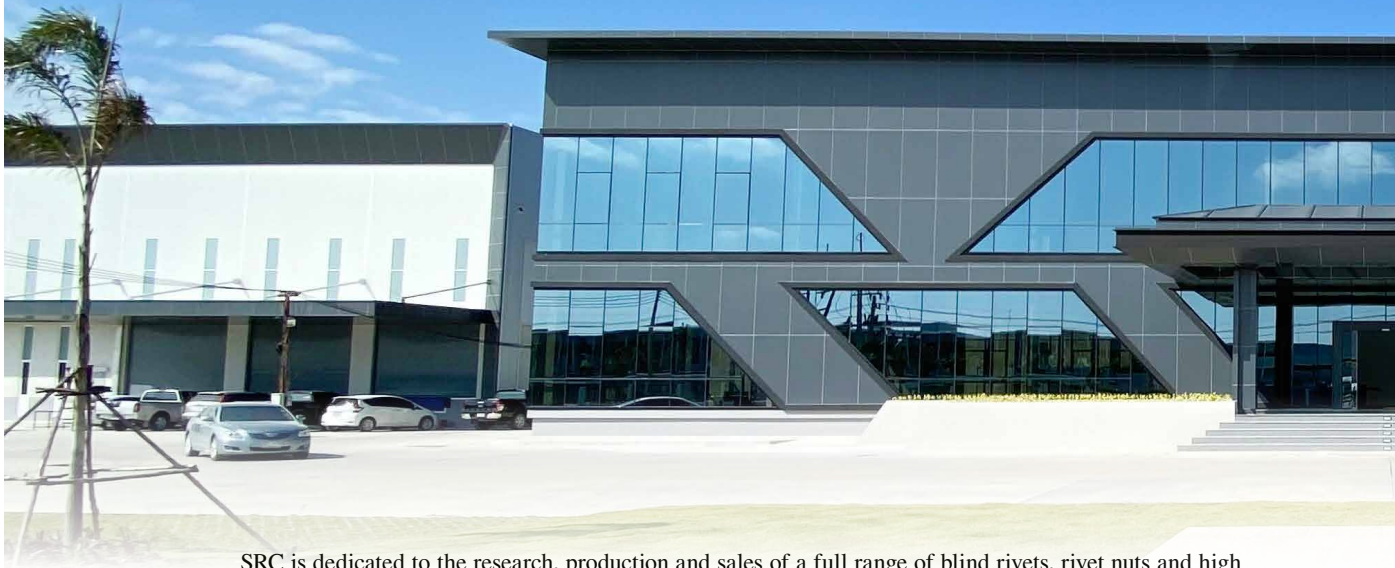
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Special Rivets Corp. (SRC)

New Plant in Thailand Enters Production



SRC is dedicated to the research, production and sales of a full range of blind rivets, rivet nuts and high quality riveting tools. The company has invested in a factory in China and today has evolved into one of the largest manufacturers of blind rivets in Asia, with a monthly capacity of over 500 million pieces of blind rivets and 100 thousand pieces of high quality riveting tools per month. A fully automated warehouse and index system ensures accurate and rapid order fulfillment.



Booth No.
S1647

With a professional R&D team and rich sales experience, SRC at the 40th anniversary of corporate history has sold its products to more than 150 countries worldwide and accumulated more than 700 customers. In 2021, SRC expanded investment and set up a new factory in Thailand to fulfill customer needs, covering an area of 45,000 square meters. Now they are announcing the launch of production in this issue of Fastener World Magazine.





Eying Thailand as a Critical Market in Southeast Asia

SRC chose to set up a factory overseas in order to serve the world's demand for fasteners and expand client base. They see the worth of Thailand Prime Minister's ambition to develop Thailand as the top manufacturing nation of automobiles in Southeast Asia. Plus, they have many clients who identify Thailand as a key market in Southeast Asia. The new plant in Thailand will be able to serve clients from a close range.

The main task of this plant is to increase production of the existing blind rivet product line. New equipment has been purchased in large quantities to improve quality and develop flexibility for small quantity and diverse production to meet the needs of more customers. When lead time becomes a key factor, immediate delivery is far more important than lower prices, said SRC.

Targeted Future Monthly Capacity: 300 Million Rivets

The new plant's floor is currently 50% in use and has about 110 sets of automatic forming equipment, with a target of 300 sets to be added continuously. Through automation, manpower is streamlined and work shifts between departments within the plant is rationalized. At this stage, they are aiming at a monthly capacity of 100 million pieces of rivets for the Thailand plant, and planning to increase to 300 million pieces of rivets in the future. They are providing clients with better quality and cost performance by reducing costs.

Furthering Collaboration in Southeast Asia

With the support of the parent factory and the head office, they hope to develop the whole group into a sustainable enterprise. In addition to collaborating with more counterparts in the hardware and components market, they want to contribute to global environmental protection. In the future, the new factory will make appropriate adjustments according to the current international status and continue to integrate and expand product lines.

Under the impact of the global epidemic, SRC's export sales still reached double digit growth in 2022, with products mainly sold to the United States, Europe, New Zealand, Australia, Africa, Latin America and Southeast Asia, of which the United States accounts for 30%. "Every client is important to us. No matter where you are, we make sure our products are delivered to you," said the company, "In the face of market challenges, we will stick to the belief that makes us who we are and continue to create new markets."

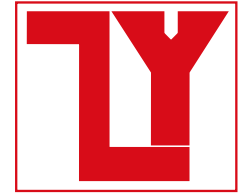
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by Dean Tseng, Fastener World

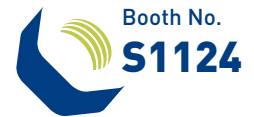


Furniture & Construction Screws by ZYH YIN

Creating Value for Customers



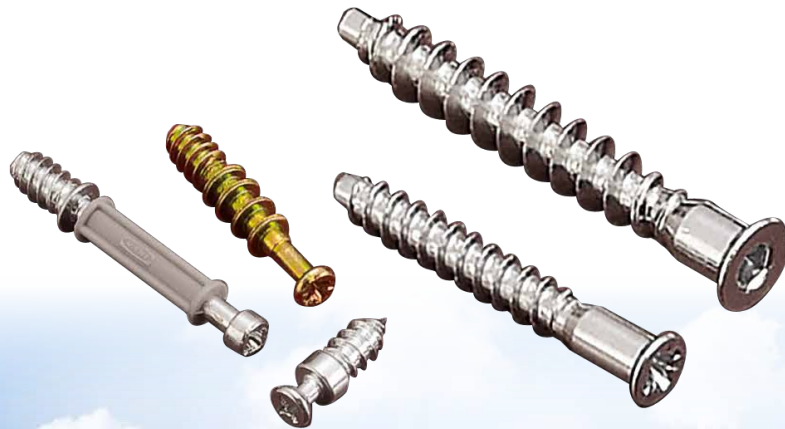
With "technology, efficiency, quality, and service" as its core values, Zyh Yin Ent. Co., Ltd. has been specializing in the production of furniture and construction screws and bolts for years. With its excellent production technology and high quality standards, its products have been successfully exported to Europe, America and Asia and other key screw demand markets, and have also gained the trust and recognition of many new market users worldwide. Not only has its annual export performance been outstanding, but it is now the largest supplier of screws to a leading furniture brand in Europe on a long-term basis. Its customer-focused insistence continues to draw the global attention to its solid and reliable manufacturing capabilities on the international stage.



Faster! More Accurate!

Providing Users with Better Assembly Experience

Zyh Yin is able to provide a wide variety of products. As one of the exhibitors at this year's Taiwan International Fastener Show, it will present many competitive screws to visitors from all over the world, including: confirmat screws, chipboard screws, euro screws, machine screws, metal dowels, drywall screws, tapping screws, self-drilling screws, deck screws, particle board screws...etc. Among them, drywall screws and metal dowels are expected to be the main attraction for many buyers during the exhibition. The special features of these two main products are as follows:



Drywall Screw

Drywall screw users attach great importance to the convenience and efficiency of the product. Through its professional manufacturing technology and experience, as well as its management of the service life of threading dies, it has been able to control the tapping speed of the drywall screw to less than 1 second, allowing consumers to save time and effort in using the product.

Metal Dowel

In order to achieve more precise dimensional control, Zyh Yin has also imported high-end precision machines from overseas, which can control the dimension of screws more precisely and provide users with a better assembly experience.





“In addition to the exhibition in Kaohsiung, we also plan to participate in Fastener Fair Global in Stuttgart this March and INTERZUM this May to let visitors know that we can continue to provide stable quality and excellent service on our existing products, and we hope to let everyone know that we are constantly improving our manufacturing capabilities and upgrading our technology and production capacity to meet the diverse needs of customers,” said Zyh Yin.

Currently, Zyh Yin’s furniture screws are mainly sold to the European market. Its excellent quality and competitive price of products have been well received by customers. On the other hand, in the large market of North America, its construction screws have also successfully tapped into many medium and large distributors, wholesalers and DIY channels, supplying a wide range of screws for interior and exterior use.

“In the future, we will continue to expand into the European and North American markets to provide better service to customers. We also look forward to expanding our product offerings to meet the diverse needs of different buyers,” said Zyh Yin.

ERP Integration & Creating Digital Intelligent Production Lines

Zyh Yin has introduced the ERP system for years to help achieve more accurate process control. Through this system, all relevant units can clearly understand the production status and progress of orders, which facilitates the tracking and scheduling of shipments and improves the efficiency of internal operations. In terms of quality control, in case of quality complaints, the system can also help to trace the production history of products, which helps to analyze the cause of quality problems and prevent the recurrence of the same problems in the future.

In addition, Zyh Yin is also working with MIRDC to introduce intelligent management of “digital transformation.” Through the cooperation with manufacturers, production information will be fed back to the system in real time, so that the business and production management units can grasp the progress more quickly and effectively and provide better services to customers.

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Multiple Int'l Certifications to Meet Customers' Higher Standards

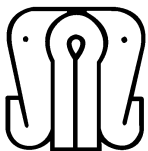
In order to achieve the best quality and meet the increasingly stringent requirements of customers, Zyh Yin’s quality and professional screw supply team continues to refine manufacturing processes and quality management. In addition to obtaining ISO 9001:2015, it is also the first in Taiwan fastener industry to obtain the ISO 28000 supply chain safety management system certification in 2019, which enables it to implement supply chain safety management in manufacturing, service, warehousing and transportation. It has also obtained the TTQS, SMETA, CE, Torx Drive System 2019 and Torx Plus Drive System 2019 certifications.

“In addition to quality and delivery, customers have become more concerned about the ESG performance of their suppliers in recent years. Therefore, we have made efforts since many years ago to meet the higher standards of customers in terms of energy saving & carbon reduction, pollution treatment, work environment improvement, and enhancing the welfare rights of our employees. We expect to create a win-win-win situation for our customers, suppliers and ourselves.” added Zyh Yin.

by Gang Hao Chang, Vice Editor-in-Chief of Fastener World



Taiwan's No.1 Yung King's Professional Pins are Sold Worldwide



"Buying pins? Look for Yung King!" This is the answer that many buyers often get when they want to buy pins from Taiwan. Founded more than a few decades ago in northern Taiwan to produce cotter pins, Yung King Industries Co., Ltd. has expanded its product line to include spring pins, hitch pin clips and dowel pins, and has become the largest and most representative pin manufacturer in the eyes of many buyers. Under the leadership of President Josh Chen, Yung King has continued to capture niche markets and has built its own kingdom of pins. Its annual sales volume has reached 2,000-2,500 tons.



Seemingly Simple but Not Simple Anti-loosening Technology

Cotter pins, spring pins, hitch pin clips, and dowel pins are Yung King's four major products. Although they look simple, they play a key role in many anti-loosening applications. It mainly manufactures pins in stainless steel, iron, and brass, in sizes to meet the exact length specifications required by customers. The cotter pins are available in sizes up to 16mm and dowel pins are available in sizes up to 20mm or more. In spite of the competition from overseas counterparts offering lower prices, it continues to win orders from many customers in the U.S., Japan and Australia due to its higher quality, faster delivery and better packaging service.

Its cotter pins are used in a wide range of applications such as machines that vibrate, castle nuts for wheel rims, and long chains that require anti-loosening components. Compared to screws featuring more complicated fastening mechanism, Yung King's cotter pins are more convenient to use and can be replaced easily. Once it is inserted into the mating part and its tails are pulled open, the assembly is done! The simple operation can achieve the purpose of loosening prevention. In response to the growing market demand, it has also developed spring pins with slots and double-sided chamfered angles for easy installation into holes, and the flexible steel material can be directly clamped as a rotating shaft. It has even developed toothed spring pins featuring better fit. As for hitch pin clips, they will automatically open when inserted into the bolt hole and will not be easily pulled out after fixing, achieving a stable anti-loosening effect. In the part of dowel pins requiring high precision in O.D. tolerances, Yung King has also gained a foothold in the large-size dowel pin market through its excellent processing technology.



Upgrading Equipment and Aiming at Developing European Market Further

With two factories in Hsinchuang and Sanchong (New Taipei City), Yung King has a capacity of 200 tons per month. In order to reduce costs, improve quality, increase production capacity and diversify products to remain competitive internationally, it has completed the automation upgrade of its equipment at the end of last year, shortening the process and significantly reducing labor costs and waste output. In recent months, it has even purchased several multi-stroke multi-axis forming machines to enhance its customizing capabilities and meet customers' special product requirements.

"Under the principle of selling more at lower prices, we have accumulated a good reputation for our high quality products and services over the years," said President Chen. "Our main customers are importers from the U.S., Japan and Australia, which account for 40%, 20% and 20% of our sales volume respectively. We are looking forward to extending our reach to the European market, and we do not rule out the possibility of looking for agents in European countries to develop customers for us, so that more European customers can experience the quality and durability of pins from Taiwan. At the same time, the 3rd generation of the company has also started to work in the factory since this year. We hope to create a new atmosphere for the old factory through the new ideas and practices brought by the young people. In addition, at this year's Fastener Taiwan, we'll not only demonstrate to global buyers our strong pin manufacturing capacity, but also set up a cocktail bar at our booth. We sincerely welcome all industry peers to come and interact with us. ■

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by Gang Hao Chang, Vice Editor-in-Chief of Fastener World

