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MAKE IN INDIA PLEASE

Just as India has bounced back strongly from the pandemic... just as the India growth story gets stronger... just as we are on the onset of the biggest growth for our economy and the Indian Fastener Industry in the next decade, news of Chinese fasteners being imported at atrociously alarmingly low prices is hitting our Industry.

Distributors, traders, importers and even some manufacturers have to realize that importing finished Fasteners from China may gain short-term profitability, but it will spell doom for our Industry which is on the brink of a potentially huge growth curve with global buyer interest in India. The primary focus has to be on 'Make in India' and sourcing goods from India. The manufacturers have to support this movement by offering quality products at competitive pricing and timely delivery to the distributors and traders. Yes, it is extremely difficult to match the China price points but, if collectively, the focus is on India manufacturers and, resisting imports, the long-term benefit is a win-win for both and more so for the entire Indian Fastener Industry.

We, at Fasteners Association of India (FAI), have written to several Government agencies and ministries in the past pleading that when there is a minimum import pricing (MIP) structure and Bureau of Indian Standards (BIS) Certification compliance for Steel wire rod imports, the same benchmark of an anti-dumping or safeguard duty should also be imposed on finished fastener imports. Several countries in the west have stringent anti-dumping duties against China and it is imperative that India does the same for long-term sustainability. China has the advantages of Government subsidies besides higher productivity due to larger scales of production. We need to get more competitive but at the same time, this is no level playing field.

As our efforts will strongly continue requesting prohibitive duties, the change can happen within if our distributors and traders support this cause with buying 'Make in India' goods. India's economy is linked to the MSME (Micro, medium, small and medium) Industry and the 'Atmanirbhar Bharat' (Self-reliant India) vision has to be driven by every company invested to make it happen.

Two China Fastener Fairs in May and June 2023 have resumed aggressive invitations to India and while machinery, tooling and wire are areas Indian manufacturers are exploring, the traders and distributors should revisit their buying strategies especially in commodity products. We can urge them to at least curb their buying to some extent and ensure goods are not dumped at ridiculous pricing which India manufacturers have no chance of competing against. They can have a long-term plan of weaning off China goods and then moving completely to Indian products. These have to be mutually beneficial to traders and manufacturers and continuous discussions should be undertaken to resolve this.

Fastener Fair Mumbai in June 2023 and India Fastener Expo Pune in September 2023 will be key events for the Indian Fastener Industry to promote their company brand. Let us all stand united to find solutions for all the Industry segments which can showcase Brand India globally.



ABHIJAT SANGHVI
President
Fasteners Association
of India (FAI)

India's economy is linked to the MSME (Micro, medium, small and medium) Industry and the 'Atmanirbhar Bharat' (Self-reliant India) vision has to be driven by every company invested to make it happen.

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THE INDIA NARRATIVE

With India emerging as a major beneficiary of the China+1 strategy, international investors are looking the country as an investment destination. It is an opportune time for India's growth as globally, business entities are meaning to diversify their supply chains and reduce reliance on China.

India certainly stands as an attractive alternative due to its extensive consumer market, skilled labor force, and growing infrastructure.

India seems to be in a favorable position to take advantage of the China+1 trend, from a macroeconomic perspective. Foreign Institutional Investment (FII) flows and Foreign Direct Investment (FDI) are significant indicators of global investor sentiment and confidence in a country's growth potential. It is laudable to note that there has been a consistent influx of FII funds into India, suggesting a rising interest among international investors in the Indian market.

The Government has implemented various reforms to encourage FDI, creating a favorable environment for foreign companies to establish their presence in the country.

Attesting to this fact is the latest Volza India Export data, which states that Fasteners screw export shipments from India amounted to 99,803 and were exported by 390 Indian Exporters to 1,303 Buyers.

India is the largest exporter of Fasteners screws in the world, with most of its exports going to the Netherlands, Germany, and the United States. Switzerland comes in second with 85,279 shipments, while China takes the third spot with 34,410 shipments.

On this positive note, we look forward to witnessing the Indian Fasteners industry pave the way for global growth.

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CELEBRATING TWO DECADES OF KOVA EXCELLENCE

KOVA Fasteners Pvt Ltd marks its remarkable growth and success since its inception in 2000 as an IATF and CE certified company standing tall as a leading manufacturer of fasteners in India. With a focus on quality, reliability, and customer satisfaction, the company has carved a niche for itself in the industry.



Source: KOVA Fasteners

KOVA Fasteners, located in Ludhiana, Punjab, operates from a sprawling 70,000 sq ft facility. From humble beginnings, the company has come a long way, achieving significant milestones and garnering recognition for its achievements. "KOVA's journey in the last two decades has been very promising and result-oriented," states Rishi Gupta, Managing Director, KOVA Fasteners Pvt Ltd. "Starting the business from a mere typewriter and bringing

it to the current level, I feel each and every employee and stakeholder in the company is filled with pride and confidence in all the achievements of the company," he says, attributing the firm's progress.

Innovation and Resilience
One of the key successes of the company lies in its ability to maintain a steady supply of finished and quality products in the volatile steel market despite the challenges presented by the COVID-19 pandemic.

Gupta shares, "KOVA is a dedicated manufacturer of fasteners. Steel prices were volatile last year, but KOVA managed to ensure smooth supplies to all its OEM customers without any delays. We always hold a stock inventory of 2 months, which helps us deliver to our customers all their fastener requirements from time to time. Even during COVID times, KOVA was one of the first ones to start production of fasteners and start shipping the goods in and out of India."



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Source: KOVA Fasteners

Global Reach and Major Clients

KOVA Fasteners offers a wide range of products, including hex head bolts, socket head cap screws, agricultural fasteners, structural bolting, hardened washers, load indicator washers, wedge anchors, nuts, and washers, as well as fast delivery and a global presence. Its major Indian clients include L&T, Godrej, Toshiba, and Mahindra & Mahindra, while it exports to more than 40 countries worldwide. "KOVA is predominantly involved in the export of standard fasteners all over Europe and USA," reveals Gupta. "This accounts for around 75 percent of KOVA's business share; the rest goes to Indian customers in the farm sector and industrial hardware segment."

The company also has an in-house cold forming section and thread rolling machines, as well as processes including heat treatment, coatings, plating, final inspection, and packing and logistics. It has always invested in buying the best technology to make high-quality fasteners. "We have state-of-the-art, latest-technology boltmakers and nut formers, all imported from the best brands around the world. The same goes for heat treatment lines and also plating lines," he adds.

Investing in Technology and People

The true strength of KOVA lies in its highly skilled and dedicated workforce, which constantly strives for excellence. "The most unique reason for



Source: KOVA Fasteners

The most unique reason for the success of KOVA and its products is not only the machines, but the people who are running those machines. Each and every employee who works at KOVA is trained again and again to deliver the best product quality at each and every stage of manufacturing."

Rishi Gupta
Managing Director
KOVA Fasteners Pvt Ltd

the success of KOVA and its products is not only the machines, but the people who are running those machines," asserts Gupta. "Each and every employee who works at KOVA is trained again and again to deliver the best product quality at each and every stage of manufacturing."

Coining Human Resource as the company's "most valuable asset," he explains, "Since the beginning of production at



Source: KOVA Fasteners





Source: KOVA Fasteners

KOVA, most of the employees who joined the company from the start of production days are still working with KOVA. They have pledged to dedicate their lives to KOVA and make it a world-renowned brand. Each and every day they come to the factory with great motivation, positivity, faith, and dedication to work for a better future for KOVA and all its team members." The Managing Director continues, "KOVA is very committed to forming strong relations with its

“ KOVA's journey in the last two decades has been very promising and result-oriented. Starting the business from a mere typewriter and bringing it to the current level, I feel each and every employee and stakeholder in the company is filled with pride and confidence in all the achievements of the company.”

Rishi Gupta
Managing Director
KOVA Fasteners Pvt Ltd

employees, customers, suppliers, bankers, and even our competitors. At every stage, we try to improve our commitment to all stakeholders at KOVA. Every day we try to become better than yesterday, and I hope this way we will keep on improving ourselves to deliver the best product and the best company to our employees and also to our customers.”

Pioneering Future Era
 As the automotive industry undergoes a shift towards Electric



Source: KOVA Fasteners



Source: KOVA Fasteners

Vehicles (EVs), the company recognizes the potential business opportunities in this emerging market. While acknowledging that the complete transition to EVs may take the next 7-10 years at least, Gupta highlights, "It's too early to say that it is causing any disruption in old traditional technology at the moment. In

the long run, yes, surely EV will pick up, but still, the EV industry has to standardize the products and do a lot of engineering, particularly in the field of fasteners." He continues, "Most of the 2-wheeler EV is a complete kit that is imported from China, with all fasteners too. I believe it is going to change very

soon as those fasteners are not standardized and might cause a lot of challenges in the field trials and post failures, I feel there will be a lot of design improvements in fasteners for EVs, especially in the two-wheeler segment." Furthermore, the company's commitment to sustainability



Source: KOVA Fasteners



“KOVA is predominantly involved in the export of standard fasteners all over Europe and the USA. This accounts for around 75 percent of KOVA's business share; the rest goes to Indian customers in the farm sector and industrial hardware segment.”

Rishi Gupta
Managing Director
KOVA Fasteners Pvt Ltd

and continuous improvement reflects its determination to remain relevant in a rapidly changing industry. “Fasteners is a product that will be in good demand in the coming years, and more and more engineering activities around the world are now taking place in India. This makes the fastener business more sustainable, and opportunities for growth are surely there for top fastener brands

like KOVA,” emphasizes Gupta. **Driving Growth** KOVA Fasteners continues to be at the forefront of the industry as it evolves, driven by its commitment to quality, customer satisfaction, and continual innovation. Looking toward the future, the company envisions sustained growth and broader horizons. With fasteners playing a crucial

role in engineering activities shifting to India, the company sees sustainable business opportunities and aims to reach a turnover of US\$50 million within the next 3-4 years, indicating an ambitious goal of more than doubling the current turnover of US\$15 (FY 2023). Without resting on its laurels, it continues to lead the way and aims to shape the future of the industry. **FAI**

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PROGRESSING TOWARD A BRIGHT FUTURE

The aerospace and defence grade fastener industry is experiencing rapid growth and is distinct from the standard fastener industry due to its unique requirements, potential, opportunities, challenges, and threats. This article aims to provide key insights and important information about this industry.



Source: Aero Fasteners

Aerospace fasteners are essential components in aircraft and space vehicles, and are categorized according to their specific applications into Commercial Aircraft, Business Jets, Passenger Aircraft, and Defence & Space fasteners. While many of these fasteners share similarities with Industrial and Standard Automotive fasteners, such as Bolts and Screws, Studs, Nuts, Wrenchable Nuts, and Inserts, there are specific fastener families unique to the Aerospace industry, such as Pins & Collars, Anchor Plates, Anchor Nuts, and Panel Fasteners. Approximately, 40-50 percent of Aerospace fasteners adhere to the National Aerospace Standards Committee (NAS)

standards. There are global organizations authorized to design and define requirements for Aerospace fasteners to be followed worldwide. Some of the globally followed standards are DIN, MS, NAS, NSN, NFL, AN, LN, EN, GOST, etc. Similar to the Automotive industry, this particular segment also necessitates a wide range of standard and specialized fastener product families. These families encompass Bolts, Screws, Nuts, Studs, Bushes, Threaded Inserts, Anchor Nuts, Anchor Plates, Guide Pins, Rivets, Clevis Pins, Sleeves, Self-Locking Nuts and Bolts, and numerous others. Based on end application, dimensional specifications are typically based on general stan-

dards employed in the Automotive sector.

Aerospace fasteners vs. fasteners used in other segments

A general understanding is that Aerospace fasteners are highly engineered or complex and difficult to produce compared to fasteners used in other segments. However, this belief is not entirely accurate. Aerospace fasteners are predominantly used in critical applications at a higher rate than fasteners in other market segments. Nonetheless, the manufacturing technology and sophistication involved in producing these fasteners do not differ



Source: Aero Fasteners

significantly. The most significant differentiators in manufacturing them are: raw material, workmanship, quality approach, and production quantities (low volumes with high variety). Sometimes the manufacturing process varies depending on the required lot size. Producing large quantities through mass production in a single run requires a different approach than what is required to produce smaller quantities.

Typically, the Aerospace fastener segment works on a 'make to order' manufacturing approach, resulting in longer delivery periods compared to other segments. The production planning and raw material planning methods are also different than the ones used in other segments.

Special raw materials

In terms of raw materials, the Aerospace fastener segment differs significantly from other segments. The quality of raw materials used in aerospace fasteners is a crucial factor in meeting the end result requirements. This quality is determined by the specified grade of the material and the manufacturing process employed.

In terms of the manufacturing process, the Aerospace fastener segment focuses on minimizing fatigue and meeting specific metallurgical and mechanical requirements. To achieve this, the raw materials

used in this segment must adhere to specifications outlined in standards and be free from contaminants. Aerospace fasteners typically require specially produced raw materials. Aerospace quality materials primarily address two aspects: internal quality, which pertains to the material's internal structure and composition, and external surface quality. All wrought metals contain a small amount of contaminants. Excessive quantities or sizes of contaminants in the raw material can significantly impact the performance of a specific batch of material. While most normal material is melted at the mill in atmospheric furnaces, aerospace material is melted or remelted in a vacuum furnace. In some instances, material may be remelted up to three times in a vacuum. The vacuum has the effect of drawing impurities out to the surface which can then be removed once the material cools off. Repeating this process multiple times has the effect of pulling more and more contaminants out. In addition to internal quality, processing techniques at the mill can often result in flaws on the outer surface of the raw material. Aerospace quality raw material is processed by cutting or grinding away the outer layer, thereby eliminating any surface flaws. During processing, special degassing and annealing cycles are followed to meet the required metallur-

gical parameters and make the material free of impurities. Depending on the application, surface condition requirements, and mechanical properties requirement, a range of special raw materials is used in this segment. Typically, the Aerospace fastener segment requires materials with high temperature resistance, high wear resistance, high corrosion resistance, lightweight properties, high tensile strength, high fatigue resistance, and high shear strength. The choice of raw material grade depends on the specific combination of these requirements and the elements available in the grade. Aerospace fasteners are manufactured using various grades such as High Alloy Special Steels, Titanium, 15-5 PH, Stainless Steel, A286, Brass, Copper, Aluminum, and many more.

Accreditation standards/certifications

In this segment, every customer may have their own requirements for certifications. Generally, AS9100 and AS9120 are both aerospace versions of Quality Management Systems (QMS). AS9100 is for manufacturers and AS9120 is for distributors. These systems are derived from ISO 9001 and add 135 requirements to the ones already found in this standard. Basically, AS9100 and AS9120 are the first-level requirements for QMS. Further based on the



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Managing Director
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country-wise governing bodies and OEM customers-based requirements, ITAR, QSLM/QSLD, QPL Parts, BOIENG, FAA/TSOs, DFARS and some more are specific standards that may need to be followed. Since specialized processes are involved in the manufacturing and testing of Aerospace fasteners, NABL for LAB, NADCAP for special processes like Heat treatment, Surface finishing, and NDT is also recommended.

Workmanship and focus

The Aerospace fastener manufacturing segment presents unique challenges when it comes to approach. Understanding the quality, workmanship, and customer service requirements of aerospace customers can be confusing and challenging for those unfamiliar with the industry.

Success in this segment requires a distinct mindset, workmanship, and quality approach compared to other fastener segments. Workmanship refers to the meticulous attention paid to even the smallest details, as minor visual defects that might be acceptable in other segments are not tolerated in Aerospace. A hundred percent visual sorting under close monitoring is a fundamental requirement for Aerospace fasteners. In certain cases, critical parameters may also require 100 percent dimensional inspection. Given the small lot quantities and the use of special raw materials, specific care, and special processes are essential in Aerospace fastener manufacturing. These raw materials possess unique mechanical properties compared to high alloy steel grades. Consequently, there is an increased risk of producing defective pieces during the manufacturing process. Parts must be free from cracks, folds, dings,



Source: Aero Fasteners

patches, seams, pitting, burrs, dents, nicks, and scratches, regardless of their size. In addition to general process quality parameters, specific attention must be given to thread profile, root runout radius, thread laps, magnetic particle inspection, under head radius, fillet radius, hardness, SPC for critical parameters, microstructure, grain flow, and other factors to ensure compliance with end result specifications.

Special processes and mechanical requirements

Depending upon the application and the raw materials used, Aerospace fasteners have requirements of special mechanical properties including flawless grain flow, high hardness, favorable microstructure, extended Salt Spray Test (SST) life, high tensile strength, high fatigue strength, and high shear strength.

In certain cases, special processes are required to meet special raw material process requirements and mechanical properties. They may include Forming Fillet radius, Controlled Root runout radius, Thread rolling after heat treatment, Internal threads by Forming, Ultrasonic cleaning,

Annealing before machining, Stress relieving, Solution annealing, etc.

Global market highlights

For Aerospace fasteners, the global market has been performing well consistently. Other than the COVID-19 impact in 2019, the trend and future predictions for the Aerospace fasteners industry have been significantly optimistic. The Aerospace fasteners market size was valued at US\$ 4.8 billion in 2022. The Aerospace fasteners industry is projected to grow from US\$ 5.13 billion in 2023 to US\$ 7.74 billion by 2030, exhibiting a compound annual growth rate (CAGR) of 7.07 percent during the forecast period (2023 - 2030). The Aerospace fasteners market is experiencing growth driven by increased investments in military goods by both governments and businesses, as well as a rise in commercial aircraft demand. These factors are key market drivers contributing to the expansion of the Aerospace fasteners industry.

The North American Aerospace Fasteners market area will dominate this market because this area is home to prestigious aircraft produc-

ers like Textron, Boeing, and Bombardier, among others. Also, the region's adoption of cutting-edge manufacturing techniques and greater financial support for R&D initiatives contribute to North America's market expansion. Other major countries in this segment are US, Canada, Germany, France, UK, Italy, Spain, China, Japan, India, Australia, South Korea, Brazil etc.

The rapid advancements in technology and the current global political situation are strong indicators of consistent growth in the defence and aviation industry. Worldwide there is a significant increase in air transportation of passengers and goods, which will increase in future. The evolving political and diplomatic relations among countries worldwide, along with a pursuit for greater strength and power, have led to a significant rise in defence budgets across the globe. This trend is particularly pronounced in semi-developed and developing nations, where there is a strong focus and higher targets set for the aviation and defence sectors.

Indian market highlights

The Aerospace fasteners market in India is also growing rapidly and holds a promising future. The 'Make in India' drive has put special emphasis on the Aerospace & Defence segment, leading to extensive research and development, new projects, and bulk repeat orders, which have provided a much-needed boost to the industry. Now Indian-made equipment is getting export orders in large quantities. This has led to rising demand for small sub-assemblies, components, and fasteners, offering ample business opportunities for tier 1 to tier 3 suppliers. India's growth in the Aerospace fasteners segment is



Source: Aero Fasteners

supported by several favorable factors. These include supportive Government policies and assistance, strong global trade relationships, extensive opportunities available worldwide, technical expertise and know-how, abundant manpower availability, easy adoption of new technologies, an educated and quality-conscious workforce, capability for new product development in special projects, and lower manufacturing costs compared to developed countries. As a result, there is an excellent opportunity for both expanding existing ventures and establishing new ventures in India.

Government bodies – role and support

With the goal to minimize dependency on exports and realize the 'Make in India' vision, the Indian Government is supporting all Indian defence and aerospace equipment companies to enhance their product range and production volumes. These defence and aerospace-based Indian OEMs and some Government agencies are providing techno-commercial support to new ventures

and running MSMEs to meet the demand for raw materials, components, and sub-assemblies generated by the equipment-making companies.

Threats and challenges

Similar to other fastener segments, the Aerospace fastener segment also has its own threats and challenges. Manufacturing these fasteners presents several challenges, including: managing a vast range of small production lots, ensuring timely delivery while minimizing inventory costs for specialized raw materials, meeting the need for diverse manufacturing and testing capabilities within a single facility, securing a skilled and trained workforce, adapting processes for the same product based on varying lot quantities, dealing with lengthy process lead times, incorporating ongoing new product development (NPD) processes in each batch, addressing the lack of fully clear specifications for NPD related to import substitution, managing the high risk of rejections, and adhering to specific lot approval requirements dictated by customers. 


Sundram Fasteners Announces INR 1,000 Crore Capex Plan for Wind Energy and EV Markets



Sundram Fasteners, a leading auto parts maker, has planned a three-year INR 1,000 crore capital expenditure (capex) program. The investment will help the company satisfy increased wind energy and electric vehicle (EV) demand. After three years of modest expansion (FY20–FY22), the company resumed its capex cycle in FY23, investing roughly INR 300 crore so far and the remaining INR 700 crore over the following two years.

OEM orders for EV parts from the company's EV business have increased. The company won a six-year contract worth US\$ 250 million (INR 2,050 crore) from a major international OEM, with peak revenue of US\$ 52 million (INR 426


crore) expected for FY26. The US\$ 375 million EV car order book will get INR 300 crore from the anticipated INR 1,000 crore investment package.

Sundram Fasteners wants its non-auto sector, which comprises the wind energy industry, aftermarket, tractor business, and industrial divisions, to account for 50 percent of revenues over the medium to long term to overcome business cyclicality. In FY23, the aftermarket business earned INR 600 crore, with industrial accounting for half. The company is also addressing energy pricing and variable costs. To reduce costs, it intends to use green energy sources and employ captive power suppliers. 

Rashtriya Ispat Nigam Ltd Highlights Need for Automation in Steel Industry

Recently, Atul Bhatt, Chairman and Managing Director, Rashtriya Ispat Nigam Ltd (RINL), stressed that automation and robotics have huge growth potential. Bhatt said at the virtual launch of RINL's 'Open Challenge Program (OCP) 2.0' that equipment developed by startups will save energy and improve safety, resulting in a speedy return on investment for RINL. He noted that the Government's focus on infrastructure development has made India's steel industry the world's second-largest and fastest-growing.


The OCP 2.0 program, part of the Kalpataru-CoE (Centre of Entrepreneurship) initiatives, aims to select startups specializing in Industry 4.0 technologies. The CoE on Industry 4.0, a joint effort by Software Technology Park of India (STPI), Ministry of Electronics & IT (MeitY), RINL, and the Government of Andhra Pradesh, intends to make India self-sufficient in Industry 4.0 technology.

The CoE will feature an Industrial Internet of Things (IIOT) lab, an Industrial Automation Lab with Artificial Intelligence & Machine Learning (AI & ML), an Augmented Reality and Virtual Reality (AR & VR) lab, another Industrial Automation Lab with Robotics and Drones, and a third Industrial Automation Lab with Robotics and 3D printing. The CoE will incubate 50 physical and 125 virtual startups over five years. RINL, HPCL, NTPC, BARC, HSY, and BHEL will be helped by start-ups and industry mentors. 



Sterling Tools Reports 12 Percent Increase in Standalone Net Sales Y-O-Y for March 2023




Sterling Tools Ltd, a manufacturer of high-tensile (HT) cold forged fasteners, has announced its March 2023 standalone quarterly financial results. The company generated net sales of INR 155.10 crore, representing a 12 percent increase over the same time in 2022, when net sales were INR 138.48 crore. Despite the growth in net sales, the company had a fall in quarterly net profit, which stood at INR 5.26 crore, a 30.84 percent decrease from INR 7.61 crore in March 2022. However, the company's Earnings Before Interest, Taxes, Depreciation, and Amortization (EBITDA) increased 13.69 percent year on year, reaching INR 21.09 crore in March 2023, from INR 18.55 crore in March 2022. The company's earnings per share (EPS) fell to INR 1.46 in March 2023 from INR 2.11 in March 2022. With variations in financial performance, Sterling Tools' share price has increased dramatically. The company's shares finished at INR 423.30 on the National Stock Exchange (NSE) on May 8, 2023, generating remarkable returns of 69.35 percent over the previous six months and an impressive 214.96 percent over the last 12 months. 

Sundram Fasteners MD Optimistic about India's Potential in EV Sector and Inspire More Women in Leadership Roles




Arathi Krishna, Managing Director, Sundram Fasteners, addresses women's rising labor involvement and the obstacles they confront in balancing work and home. She expanded the company's female employment from 1 percent to 10 percent and hopes to reach 20 percent soon. To succeed at work, women need home support, including understanding spouses and workplace creches. She applauds the Indian Government's efforts to empower women leaders, who inspire others in business.

Krishna believes that societal and domestic factors are the true working challenges for women. To manage their personal and professional lives, women need social assistance, including shared obligations and support structures. She explains Sundram Fasteners' export market, which amounts to 35 percent to 40 percent of their revenue, and acknowledges the competitive US and European markets, which require high quality and innovative technology.

She is optimistic about India's electric vehicle (EV) prospects, citing the country's quick adoption of new technology and increased environmental awareness. She expects the government to make EVs more affordable and believes India's EV sector has opportunity for growth. 


Ramco Specialties Opens State-of-the-Art Facility in New Hudson




Ramco Specialties, Inc., Hudson, OH, USA, has expanded its Michigan operations into a new facility in New Hudson, MI, USA. With 50,000 ft² of space, this move will help Ramco pick up efficiencies by combining three buildings into one. This is an important step towards the firm's ongoing efforts to improve operations, streamline processes, and better serve customers. It will also benefit employees who will work in expanded meeting, office, and research spaces. The new Michigan facility will continue to serve as Ramco's home for machining expertise. The company also reports two new six-station parts formers, which will increase domestic production in Ohio, USA. 



Martin Inc Appoints Kevin Cozine as VP of Sales

Martin Inc is excited to announce the appointment of Kevin Cozine as the new Vice President of Sales for Martin Fastening Solutions. In his new role, Cozine will be responsible for expanding the market share of Martin Fastening Solutions and collaborating with the sales team across all of Martin's lines of business. Cozine brings extensive experience in operations and sales leadership to his new role. He most recently served as the Director of Operational Excellence at Optimas Solutions, where he led the growth of new customer engagement and expanded the customer engagement team's analytical coverage. He has also held leadership positions at MSC Industrial Supply Co. and H&D Distributors, where he developed and grew key accounts. Marc Strandquist, EVP, Fastening, commented on Cozine's appointment: "We are excited to welcome Cozine to the Martin team. His experience in operations and sales leadership, as well as his proven track record of developing and growing key accounts, make him the ideal candidate for this position." 

Fastenal Exceeds US\$1 Billion in Sales Outside USA

Fastenal, Winona, MN, USA, opened a sales branch in 1994 in Stoney Creek, Ontario, Canada. It had two employees and around US\$1800 in first-month sales, but it was Fastenal's first branch outside the USA. From this humble beginning, Fastenal's international (non-USA) business has grown to include sales, service, and support teams in 25 countries in the Americas, Europe, and Asia. In 2022, these teams achieved an impressive milestone: US\$1 billion in annual sales. "This was not a small accomplishment," said one of the first employees in Canada, Jeff Watts, EVP, International Sales, Fastenal. "It shows what can be accomplished when we work together as one team with a common goal, and it's humbling to be a part of." 

SPIROL Announces Acquisition of Ford Aerospace




SPIROL, Danielson, CT, USA, announces that Ford Aerospace Ltd, South Shields, UK, will be joining the SPIROL group of companies. Ford Aerospace was founded in 1910 by Robert Ford, and the family business has most recently been led by the founder's great-grandson, Chris Ford. The company specializes in manufacturing high-precision metal components and sub-assemblies for the aerospace, industrial, and

high-technology sectors. The firm has been a leading supplier over its 113-year history, dating back almost as far as the first recorded flight in 1903.

SPIROL is a successful, family-owned company with a rich history that is also closely tied to aviation development. Founded in 1948, SPIROL has grown from a single manufacturing facility in the USA to a global enterprise with manufacturing or distribution locations in North and South America, Europe, and Asia. As an expert in fastening, joining, and assembly, SPIROL's well-established global footprint will take Ford Aerospace's products to a wider international market. Also, one of SPIROL's core principles is to continuously reinvest back into the business to ensure long-term, enhanced success, and better serve its customers. This principle is also firmly held by Ford Aerospace, and so the synergies in markets, products, history, and providing value to its customers tie SPIROL and Ford closely together. Ford Aerospace's technical skills in producing laminated and solid shims that ensure fast, precision tolerance compensation used on products like fuselages, gearboxes, and movable components was key in attracting SPIROL. Such products simplify the assembly process and reduce the cost of assembly. 

Carmen Vertullo Named NFDA's Fastener Professional of the Year




The National Fastener Distributors Association (NFDA) is pleased to announce that Carmen Vertullo of Carver Engineering and Manufacturing, San Diego, CA, USA, is the 2023 recipient of its 'Fastener Professional of the Year' award. The Fastener Professional of the Year award was created by the NFDA to honor individuals and companies that make a substantial positive impact on people's lives. In nominating Vertullo to receive this award, fastener veteran John Butler said he should be recognized due to "his years of devotion to the fastener industry through education, tribal knowledge, and generosity of time and materials." Vertullo has instructed fastener professionals in sales, purchasing, and quality, as well as end-users, manufacturers, and engineers, for over 30 years. He is a founding instructor of the Fastener Training Institute's (FTI) Certified Fastener Specialist (CFS) fastener training program and has instructed many hundreds of fastener professionals. 

Shannon Precision Fastener Opens Cutting-Edge Facility in Madison Hts



Shannon Precision Fastener, Madison Hts, MI, USA, recently opened its 170,000 ft², state-of-the-art manufacturing facility. In September 2021, the company began construction of the fastener manufacturing facility just north of Groveland Township. When at full capacity this summer, the new facility will produce 750,000,000 fasteners a

year. The new manufacturing facility is adjacent to the 71,000 ft² Shannon Precision Fastener distribution center, which opened in 2017. "We are excited to grow our Holly facility again and remain strong in our communities in which we operate," said Edward L. Lumm, President/CEO, Shannon Precision Fastener, LLC. The distribution/manufacturing center is the newest in a series of expansions by Shannon Precision Fastener, which makes precision engineered fasteners primarily for automotive OEMs that include powertrain, chassis, and safety-critical applications. 




STAFDA Unveils New Modern Logo Featuring Stan Jr

The Specialty Tools & Fasteners Distributors Association (STAFDA), Elm Grove, WI, USA, has a new face. STAFDA's blue triangle logo with 'Stan the STAFDA Man' was recently updated to give it a more contemporary look. STAFDA's traditional logo has tremendous brand recognition with Stan and the late '70s groovy script, but for 2023 and beyond, Stan Jr will now be the face of STAFDA with a modern image and font.

STAFDA is transitioning to the new logo for all its branding. The association is also working on a fresh new website that will encourage more member engagement. The updated website is expected to debut in late Q1. 



Beneke Wire Appoints Shannon King as VP and GM

Beneke Wire Company, located in Louisville, KY, USA names Shannon King as its Vice President and General Manager. In 2012, Shannon King joined Beneke Wire Company as Plant Manager in charge of the production of round-drawn aluminum wire for the cold-heading market. King has 28 years' experience in the aluminum wire industry. Beneke is a 55-year-old manufacturer and global supplier of wire, rod, bar, and redraw rod in heat-treatable as well as non-heat-treatable aluminum alloys. 

Source: American Fastener News Report



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December 2022 Edition



Mike McNulty
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Bossard Group Expands Customer Base, Enters Electromobility Sector, Drives Impressive Sales Growth



Bossard Group, an international Swiss fastener technology and logistics company, continued its growth path in the first quarter of 2023, in spite of last year's high comparative base. Sales grew by 4.4 percent to CHF 304.5 million (prior year: CHF 291.6 million), equivalent to an increase of 7.7 percent in local currency. The Group's organic growth corresponded to 5.8 percent in local currency. Regionally, demand dynamics were mixed. In Europe, in an environment of weakening economic growth, the Group posted a sales increase of 0.6 percent to CHF 170.9 million, an increase of 4 percent in local currency. The focus on growth industries was supportive of fur-

ther growth. Sales in America increased by 24.7 percent to CHF 85.3 million. Adjusted for acquisitions, growth in local currency amounted to 16.7 percent. The favorable business performance was driven by the ongoing diversification of the customer base.

Bossard also succeeded in establishing new customer relationships in the electromobility sector, with noteworthy growth rates. Bossard Ontario Inc in Canada (formerly PENN Engineered Fasteners Corporation), consolidated since December 1, 2022, contributed to the positive sales performance. Sales in Asia declined by 9.4 percent to CHF 48.3 million, a drop of 3.2 percent in local currency. The major contributing factors included the impact of the lifting of COVID-19 restrictions in China, the high comparative base from 2022, and the strong Swiss franc.


Notwithstanding the further normalization of supply chains and improved product availability, global wage and cost inflation, as well as the skilled labor shortage, remain central concerns. Bossard thinks these factors are likely to further drive demand for its automated and digital Smart Factory Logistics and Smart Factory Assembly solutions, which can significantly reduce the total cost of ownership in C-parts management and assembly for customers, thereby sustainably and measurably increasing their competitiveness. The market environment will remain challenging. Yet even a volatile market environment offers opportunities, especially for product solutions and digital services in the growth industries of electromobility, railways, electronics, and medical technology. 

Bulten AB Achieves Fifth Consecutive Quarter of Sales Exceeding SEK 1 Billion

Bulten AB, a high-tech fastener developer, has reported a strong opening quarter of the year, with net sales of SEK 1.387 billion (€122.4 million), an increase of 34.1 percent on the same period last year (2022: SEK 1.034 billion). Operating earnings (EBIT) totaled SEK 116 million, equating to an operating margin of 8.4 percent. Anders Nyström, President and CEO, Bulten, commented: "We have started the year with excellent financial results, and note that this is the fifth consecutive quarter with sales in excess of SEK 1 billion. Our strategy and our improvement efforts, based on

150 years of collective know-how, are clearly bearing fruit."

He continued: "The first quarter of 2023 began with an excellent sales figure of SEK 1.387 billion, which is in line with our growth targets. This is an improvement of 34 percent on the same period in the previous year and slightly better than the last quarter, which was itself a record quarter for sales. Furthermore, an operating margin of 8.4 percent indicates that we are on track to deliver on the financial targets we have set for 2024. Our resolute efforts to streamline the operation, while carefully balancing cost consciousness against the need for necessary investments, have certainly produced results. In addition, our focus on adjusting prices for customers in line with rising costs and inflation has had a positive impact on the results."

He further added, "For several quarters now, I have been talking about the importance of reducing our stock levels, mainly so that we can free up capital for new investments. During the first few months of the year, we have reduced stock levels by SEK 47 million, which has had a positive effect on cash flow. Our focus on stock levels has helped us identify further potential for improvement in our internal material flows and in our supply chain. We still have some work to do in order to further adjust stock levels and to further improve control and planning of production and material deliveries." 




Techsil Expands Portfolio with Acquisition of Eurobond Adhesives



Techsil, an adhesives specialist company within the Diploma Group, has acquired the trade and assets of Eurobond Adhesives. Techsil has been aware of Eurobond for some time and says the two companies are a great strategic and cultural fit, sharing similar values, business models, and end-user markets. Formed in 1984, Eurobond Adhesives has been a very successful business

under the leadership of Simon Dearing, operating with an emphasis on outstanding customer service and excellent products. However, Dearing felt it was the right time to sell the business and find the right trusted partner to help support long-term growth with the backing of a larger, more resourced adhesives' group.


With a technical sales interface team established to smooth the acquisition, this augments Techsil's broad technical adhesive offering with the onus on adhesive, potting, and thermal management solutions for the manufacturing sector and introduces the company to some attractive new customers and market segments, such as sign, glass, and sheet metal bonding, amongst others. Since 2021, Techsil, which was founded in 1989 with a focus on the distribution of technical and high-performance silicones, has been part of Diploma's 'controls' business unit, which distributes into the specialty adhesives, wire and cables, interconnect products, and specialty fasteners segments. The company has grown to encompass many more specialty adhesive technologies without losing its core reputation for excellent customer service. The company follows a problem-solving engineering and design-led approach to finding the right adhesive and sealant solution for its customers. 

Tollman Spring Company Joins Lesjöfors to Strengthen US Position

Lesjöfors, a provider of the widest range of springs and pressings, has signed an agreement to acquire the shares of US spring manufacturer, Tollman Spring Company. Through the transaction, Lesjöfors further strengthens its US presence—following the previous acquisitions of John Evans' Sons and Plymouth—and complements its industrial spring offering in the country. Founded in 1945, Tollman is a manufacturer of industrial springs with a well-established market position. Its diversified customer base comprises more than 500 customers, mainly in the industrial, electrical, defence and firearms, as well as automotive

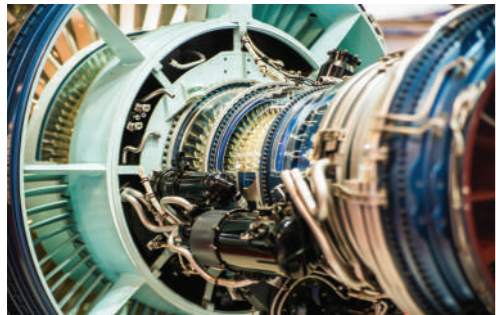
markets. As with recently acquired Plymouth, Tollman, with some 100 employees, is located in Bristol, Connecticut, enabling seamless integration into the group.

The acquisition also enables other opportunities for profitable growth, such as purchasing coordination and cross-selling, as well as resource and knowledge sharing with Lesjöfors' other US companies, especially Plymouth, because of its close proximity. Like Lesjöfors, Tollman Spring Company has long-standing customer relationships, high levels of technical expertise, and a strong emphasis on tailored solutions. Ola Tengroth, CEO, Lesjöfors, commented on the acquisition, saying, "Through this transaction, we increased our revenue in the US by around 30 percent, meaning that Lesjöfors now has a significant presence in the region. Tollman is a well-managed company, which has made significant investments in recent years, and we see ample potential to accelerate revenue growth through Lesjöfors' sales network."

After the transaction, Tollman's current owners, Rick Zink, Tim Dudzinski, and Lisa Barnes, will remain operational during a transition period. The current plant manager, Matt Zink, will be promoted to CEO and continue to develop the business, and, in line with Lesjöfors' decentralized organization, Tollman Spring Company will continue to operate under its own brand and management. Matt Zink commented, "I would like to thank all our employees who make sure we continuously evolve as an organization. We are all excited to join forces with Lesjöfors, and we are convinced that the transaction will strengthen both companies and unlock multiple opportunities for future growth." 



SPIROL Strengthens Global Reach with Ford Aerospace Acquisition



SPIROL, a manufacturer of custom shims, washers, and spacers, has announced that Ford Aerospace Ltd—based in South Shields, UK, and specializing in the manufacture of high-precision metal components and

sub-assemblies for the aerospace, industrial, and high-technology sectors—will be joining the SPIROL group of companies. With a legacy spanning 75 years as an expert in fastening, joining, and assembly, SPIROL's well-established global footprint will take the UK-based Ford Aerospace's products to a wider international market. In addition, one of SPIROL's core principles is to continuously reinvest back into the business to ensure long-term, enhanced success and better serve its customers.

Speaking about the sale, Chris Ford, Managing Director, Ford Aerospace, commented: "Ford Aerospace is, and always has been, here for the people, especially our dedicated and skilled team, and it was important that any new Ford Aerospace owner share the values that have been at the heart of the company for over 100 years. Our two companies have a long history of working together, dating back to 1980, when SPIROL licensed a specialized manufacturing process from Ford Aerospace, which is still in use today. SPIROL respects Ford's strong position in the UK market and our product manufacturing knowledge. SPIROL and Ford's approach to its employees and its customers align wonderfully, and I am excited to see our strong business carry on as part of the successful SPIROL group."

Ford Aerospace's technical skills in 'space compensating' management—the production of laminated and solid shims that ensure fast, precision tolerance compensation used on products such as fuselages, gearboxes, and movable components—was a key offering that attracted SPIROL. These solid and laminated shims enable clients to reduce stock of individual shims and offer the option of 'sizing' a particular shim by adjusting the shim pack to the desired thickness on assembly. These products simplify the assembly process while simultaneously reducing the overall cost of the assembly.

Ken Hagan, Division President, SPIROL, said: "SPIROL is an engineering, manufacturing, and sales-driven company, and as such, we seek to grow and expand in our product space. Where appropriate, this includes acquiring and holding exceptional companies that fit well with our overall business, global strategy, and culture of excellence. We are excited to have Ford Aerospace join SPIROL and to be able to offer a more complete solution to our customers in Europe and beyond. We anticipate running Ford as a standalone business unit within the SPIROL group of companies. By combining the capabilities of both companies, our objective is to enhance our value-added offering to our customers both in technical expertise and products." 

ACL Becomes Part of Ideal Tridon Group, Enhancing Global Service & Product Capabilities

Ideal Tridon Group, a leading global manufacturer of clamping, coupling, and support products, has announced the acquisition of Advanced Couplings Ltd (ACL), a manufacturer and supplier of stainless steel clamp-type tube connections to the food, pharmaceutical, and associated process industries. Shaun Henry, Sales Director, ACL, explains: "We are very excited for our partnership with Ideal Tridon, with its commitment to service and dedication to quality making it a great fit with ACL's mission. We know that our customers will benefit from the combination of our companies, allowing us to leverage Ideal's existing global footprint, product line, and engineering capabilities. We are proud of the reputation that ACL has earned over the past 35 years and will be able to continue to strengthen our capabilities to better serve our customers."


Ideal Tridon serves a diverse set of end markets globally by offering a broad portfolio of highly engineered clamp, coupling, and strut support systems. This is the most recent acquisition for Ideal Tridon, uniquely positioning the combined companies to serve European customers with an unmatched industrial product portfolio. "We are thrilled to have ACL join our Ideal Tridon family," said Rick Stepien, CEO, Ideal Tridon. "Bringing our companies together will allow us to expand into new geographies and extend our portfolio offerings into new and existing markets." 

Berner Group's Growth Strategy Materializes with Merger of BTI and Berner Construction



BTI and the Berner Germany Construction Division will merge in June 2023 to form the new brand BTI by Berner and, at the same time, one of the largest B2B trading companies in the construction industry on the German market. In the future, around 1,000 employees will provide building trade customers with fastening materials, tools, chemicals, work clothing, and many other products & services. In the field of individual system solutions for roof and window installation, as well as fire protection, BTI by Berner will be one of the market's leading

specialists. "We are joining forces in the construction segment in Germany and thus strengthening our market position. Our construction customers benefit from a comprehensive expansion of the product and service range. By having access to each other's top products, our sales department is now in a position to offer even more comprehensive problem solutions on-site at the customer's premises in the future", underlined Christian Berner, CEO, Berner Group.

From June onwards, BTI by Berner customers in Germany will be able to obtain everything from a single source. BTI scores with customers above all in the areas of sanitary heating, air conditioning, electrical installation, roof & window installation, wood connection technology, and fire protection. The Construction Division of Berner Germany is strong in construction chemicals, metal construction, tools, and DIN parts. The decision is part of the Berner Group's growth strategy in the construction segment. In order to achieve this goal, the company has invested in the expansion of logistics, in specialist training offers for employees, and in the expansion of IT and the product range. "Bundled and united, we will also massively accelerate and consistently continue the digital transformation. The team has worked hard together to achieve this, which is why we are now one of the leading medium-sized companies in Europe when it comes to transformation and digitalization of the business model," emphasized Berner. 


TFC Strengthens VMI Solutions with EAP Seals Acquisition

TFC Ltd, an AFC Industries Company, has added to its portfolio of services and products with the acquisition of EAP Seals. This move strengthens TFC's position as a leading provider of Vendor Managed Inventory (VMI) solutions and technical engineering products. EAP Seals is a leading distributor of rubber sealing products, including O-rings, gaskets, and associated technical products. With almost 50 years' experience in the industry, the business has strong and long-standing relationships both with its suppliers and customers. The business's specialty is the O-ring, which supplies in a range of materials including nitrile, genuine DuPont Viton, EPDM, silicone, and high value chemically-inert perfluoroelastomers.

Alongside its product offering, the business has established complementary services including degassing, bespoke vulcanized joint manufacturing, and a bagging and barcoding service. EAP Seals states it has one of the most varied stockholdings in Europe, and

offers an individualized and personal service to its customers across several industries, including the oil & gas, food & beverage, energy & power, aerospace & defence, automotive, pharmaceutical, petrochemical, process engineering, and water industries. EAP's high-quality products are used in sealing applications in difficult environments, such as those with high temperatures and those subject to aggressive chemicals.


"The two businesses have a clear synergy, not only in their customer base but also in their commitment to delivering quality products with excellent customer service," said Morgan Burgoyne, President, TFC. "We expect these to be popular products—there has always been strong demand for sealing products across the UK manufacturing landscape." He continues, "Bringing EAP Seals into the TFC brand will help us better serve our UK manufacturing customers by giving us the ability to supply seals directly from an in-house UK source."

Dean Oliviero, Managing Director, EAP Seals, added: "For the team at EAP Seals, working with TFC feels like a natural fit. It opens new avenues with our existing customer base and means we can bring our 45 years of industry experience to TFC's customer portfolio." EAP Seals will continue to be run by its current management team and operate out of its existing premises in Heywood, Greater Manchester, UK. 

TCB Invests in Production and Quality Assurance to Cater to Growing Customer Needs



Tension Control Bolts Ltd (TCB) states it is better placed than ever to meet demand, following significant investment in its production, warehousing, and Quality Assurance Laboratory, with every aspect of the business geared up for increased demand from discerning customers globally. Firstly, the company's new warehouse has created an additional 9,000 pallet spaces. There has also been major investment in a new purpose-built QA laboratory at its UK headquarters in Wrexham, including the recruitment of technical engineering roles and the commissioning of updated test kits to carry out tensile strength tests under wedge, core hardness,

preload, and carburization tests, which the company points out not only meets but also exceeds the mandatory European and British standards. As always, there is also full traceability, with 3.1 certification now having additional detail, providing the related assurance in a transparent and comprehensive manner. With the investments in its new QA laboratory, TCB is inviting all customers to see its QA laboratory and capabilities firsthand. Recent visitors include a project team from Laing O'Rourke who are building 'The People Stadium,' the new home of Everton football club, with over 30,000 TCB's being supplied to that stadium alone. "As well as the traditional core markets HRC and TCBs derived from structural steel, highways, and rail infrastructure, demand from the nuclear and wind energy sectors is also up," points out TCB. "In recent years, we have also seen a surge in demand for specialist rail products. For many years, TCBs have been installed in safety-critical connections, connecting trains and carriages, mitigating against train derailment, with related niche applications including fixing bogey pins, the driver's cabin, side panels, and carriage panel connections." 




Source: Fastener + Fixing Magazine



Will Lowry
Editor
Fastener + Fixing Magazine

Zhejiang Huayuan Auto Technology Listing Approved


Zhejiang Huayuan Auto Technology Co, Ltd has been approved for listing, and the company plans to be listed on the GEM (Growth Enterprise Market) board, as disclosed by the Shenzhen Stock Exchange on May 16, 2023. Zhejiang Huayuan is a high-tech enterprise focusing on the R&D, production, and sales of customized automotive system connectors. Its main products are special-shaped fasteners and seat locks, which are widely used in auto body chassis and power systems, auto safety systems, auto intelligent electronic systems, auto interior and exterior trim systems, etc. 



China Fasteners' Export Volume Q1 2023 Declines

China fasteners' export volume as per China customs' statistics from January to February 2023 was 631,262 tons, a decrease of 179,148 tons compared with the same period in 2022, a year-on-year decrease of 21.9 percent; the export value was US\$ 1,753.538 million, a decrease of US\$ 229.97 million compared with the same period in 2022, a year-on-year decrease of 11.3 percent; the average price of China fastener exports during January-February 2023, was 2,800 US\$/ton, compared with 2,400 US\$/ton during January-February 2022. In February 2023, the export volume of China fasteners was 211,777 tons, a decrease of 55,071 tons compared with the same period in 2022, a year-on-year decrease of 20.3 percent; the export value was US\$ 594.146 million, a decrease of US\$ 80.711 million compared with the same period in 2022, a year-on-year decrease of 11.4 percent; and the average export price was 2,800 US\$/ton. 

China's First Aluminum Alloy Fastener Wire & Bar Project Commences

Northeast Light Alloy Co, Ltd completed and commenced production of China's first aluminum alloy fastener wire and bar project on February 9. After trial production, the project goes smoothly and can fully meet the expected goals and design requirements. Since 2021, the company has undertaken a number of national research and development projects on wire and bar for fasteners. At the same time, taking advantage of the opportunity of national scientific research tasks, it has added key supporting equipment for fastener production lines to further improve wire equipment capabilities and open up new markets and profit growth points. The project has a total of 16 sets of equipment, so that mass production can be achieved. From now on, China can fully guarantee the supply of aluminum for various fasteners required in the manufacture of aerospace vehicles. It is reported that there are more than 700,000 rivets used in the C919 aircraft and more than 1.05 million rivets used in the CR929 aircraft. 



Alice Hu
Editor
china fastener info

Source: ChinaFastener Magazine



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Belenus Makes International Debut at Fastener Fair Global 2023

Belenus is one of the biggest and most important companies in the fastener market in Brazil and South America, with more than 1.9 thousand direct employees. Recently, the company has been doing international business with its presence as an exhibitor at Fastener Fair Global 2023 in Stuttgart, Germany, which was a big step. In addition to being a fastener manufacturer with a monthly product capacity of around 10 thousand tons, Belenus has divisions distributing hardware, tools, and several types of equipment, operating in a unified management model based



on sustainability, which values the reduction of carbon emissions, water reuse, and waste recycling throughout the process.

"Belenus tried the European market last year and had good experiences. In 2022, we started to travel to some countries and visit fairs, the reception was surprising, which made us take a step forward, exhibiting at the Stuttgart fair (March 21-23, 2023) for the first time," said Ezio Ruocco, Vice President, Belenus. "The show was so good, with only positive points to highlight. We had visitors all the time. The market was excited to have an alternative supply from Brazil that helps them reduce their dependence on Asia. On the other hand, probably the most difficult part was making them believe that in Brazil there are manufacturers with the size and technological and productive capacity like Belenus."



Brazilian Steel Production Drops in 2022

Brazil overcame a barrier with an annual domestic steel production of 36 million tons, but in 2021, the Brazilian domestic production sector dropped 5.84 percent, to 33.964 million tons total. However, the performance of the sector was not much different compared to the last five years. During 2012-2017, the aggregated total production reached 167.659 million tons, while the total during 2018-2022 was 169.426 million tons, a little bit higher by 1.05 percent. The drop in 2022 wasn't much different from Brazilian reality, in which the annual average has been orbiting around 33.7 million tons per year, bouncing between highs and lows.



Brazilian annual steel production		
Last ten years	Million tons	Variation
2013	34.162	↘ 1.5%
2014	33.897	↘ 0.78%
2015	33.258	↘ 1.89%
2016	31.642	↘ 4.86%
2017	34.778	9.94%
167.659 million tons: 2013-2017		
2018	35.407	1.8%
2019	32.569	↘ 8.02%
2020	31.415	↘ 3.67%
2021	36.071	14.82%
2022	33.964	↘ 5.8%
169.426 million tons: 2018-2022		

Feicon 2023 Highlights Robust Construction Sector and Growing Asian Presence

Feicon, Latin America's biggest construction event, was held in São Paulo City from April 11-14, 2023. The construction sector emerged as a critical contributor to Brazil's total GDP of US\$ 1.8 trillion, accounting for 6.2 percent of the national GDP and a sizable 34 percent of the industrial component. Feicon 2023 was a great success, with attendance exceeding prior years and showing the industry's resilience and determination to recover from the challenges faced by the pandemic.

The remarkable comeback of Asian businesses, particularly in the fastening sector, was one of the trade show's main attractions. Despite the fact that the number of exhibitors was still relatively limited, their presence signaled a strong trend for future editions, promising a larger choice of options and opportunities for the Brazilian market. The majority of Asian exhibitors were from China, which is expected to account for 28 percent (equal to US\$ 1 billion) of fastener imports into Brazil in 2022.



NT Expo Kicks Off the 2023 Business Events Season in Brazil



has received many private investments that keep the hope alive for better days for rail modals. Today, around 75 percent of railroads are at the service of commodities such as iron ore and 12 percent of soybeans. The only fastener manufacturer attending as an exhibitor in that edition was J Lanfranco Amsud, a French fastener company specialist in production of self-locking split nuts to use in tracks, from dimensions M2 to M48, in classes 8.8 to 12.9.



Source: Revista do Parafuso (The Fastener Brazil Magazine)

NT Expo (Portuguese acronym: 'Negócios nos Trilhos') trade fair was held between February 28 and March 2, 2023, with around 4,300 visitors, in São Paulo City, SP, Brazil. A modest event, the NT Expo, the main meeting point of the rail sector in Latin America, could be bigger than it is today, a situation consequently caused by many wrongs from the development of governments, including the imperial period, in Century XIX.

Just to compare, the national railway network in Brazil is around 29,000 km long, less than the 38,000 km from the 1940-1950 decades. Unfortunately, practically all governments have promised to prioritize this sector, but they leave more promises than trails. However, since 1992, the sector

REVISTA DO PARAFUSO



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Bi-Mirth Introduces Special Purpose Screws for Hardwood & Timber-concrete Connections


Bi-Mirth specializes in the R&D, production, and export of structural wood and concrete fasteners, of which 25 percent are exported to the US, 70 percent to Europe, and 5 percent to other countries, including Brazil and Japan. Soon after they announced an update on their US ICC certificate, electroplating line, electroplating liquids, and coatings last September, the company is now featuring three special products this spring and embarking on a full-range sale promotion at Fastener Fair Global and the upcoming Taiwan International Fastener Show.

Traditionally, timber construction usually uses softwoods, but recently more and more countries are using hardwood as a building material. Hardwood uses less surface area to achieve equal or higher performance than softwood. Regular screws could break when drilling into hardwood due to its high density. Bi-Mirth did intensive research on hardwood and rolled out a screw made with a specific material and heat treatment technology to cope with the high density of hardwood.

This special screw is characterized by low insertion torque and no breakage during installation.

Furthermore, there are many old houses in various countries that are in high demand for renovation. Wood is resilient (very flexible) and delivers good shear resistance (not easy to break); concrete performs better at resisting pressure. The use of both concrete and timber in the renovation process can bring out the advantages of both materials, and this solution creates a better acoustic effect in the building. Bi-Mirth has developed a suitable solution for timber-concrete connections that prevents displacement between the two materials and provides excellent shear resistance.

In addition, Bi-Mirth's BM Quickdrill wood screw series now adds stainless steel as a material option. A2 304/305 and A4 316 stainless steel deliver extraordinary resistance against high salinity and acidic environments. High rust and corrosion resistance makes it ideal for use in harsh environments near the sea to maximize the combined effect.

All three screws (Bi-Mirth hardwood screws, timber-concrete connector screws, and A2/A4 stainless steel wood screws) are available for customized production, and Bi-Mirth has already applied for ETA certification. The certificate for A2/A4 stainless steel wood screws will be obtained this April at the earliest. 



Source: Bi-Mirth

Yung King Pioneers Pin Manufacturing with Unmatched Quality and Customization Capabilities

Yung King Industries Co, Ltd, a Taiwanese company founded over a few decades ago to manufacture cotter pins in northern Taiwan, has emerged as the go-to solution for buyers seeking pins. The company has now become the largest and most representative pin manufacturer in the eyes of many buyers, having expanded its product line to include spring pins, hitch pin clips, and dowel pins. Under the leadership of Josh Chen, President, Yung King, the company 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.


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 16 mm, and the dowel pins are available in sizes up to 20 mm or more. In spite of the competition from overseas counterparts offering lower prices, it continues to win orders from many customers in the US, 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 a 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



Source: Yung King

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 OD tolerances, the company has also gained a foothold in the large-size dowel pin market through its excellent processing technology.

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 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. 

Special Rivets Corp Opens New Plant in Thailand to Meet Global Demand




Source: SRC

Special Rivets Corp (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 ensure accurate and rapid order fulfillment. With

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

SRC chose to set up a factory overseas in order to meet the world's demand for fasteners and expand its 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 quantities 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, as per the company.

The new plant's floor is currently 50 percent 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 for a monthly capacity of 100 million pieces of rivets for the Thailand plant and plan to increase that to 300 million pieces in the future. They are providing clients with better quality and cost performance by reducing costs. 

Rexson Fasteners' Guangmiao New Plant is Now Operational

Rexson Fasteners Inc specializes in the development and production of various screws and parts. Its main products and services include stainless steel screws, automotive parts, special products, special function parts, and customer sample production. Its products are available in dimensions of M1.4*2-M10*200 and can be produced in stainless steel, carbon steel, brass, and copper. As the global industry is gradually recovering after the epidemic and the economy is picking up, in response to the growing demand for fasteners and in order to optimize its services, the company has recently set up a new factory in Guanmiao, Tainan, and the original factory in Guiren will continue to operate. It is expected that with the synergy of the two plants in Guiren and Guanmiao, it will be able to provide the best quality products and services to meet the diversified needs of global customers. "The main purpose of the Guanmiao plant is to expedite the solution of the existing capacity of the Gueiren plant, which is about to run out of capacity. In addition to expanding production capacity, the new plant will also introduce some equipment and machines with specific differences to meet customers' needs for a wide range of products and to enable faster and more

efficient delivery of products," said Kevin Wu, General Manager, Rexson. The new factory area of 2,380 sq mt is clearly defined with dedicated areas for 1-die 2-blow forming, multi-blow forming, thread rolling, sorting, packaging, etc. Among them, the stainless steel screw, sorting, and packaging areas are new highlights from the old factory. The equipment has also been upgraded, including the introduction of 1-die 2-blow rounding and shearing machines, 5-die 5-blow forming machines, thread rolling machines (M12*200L) and several 1-die 2-blow and thread rolling machines, which can help provide customers with better and stable quality products. With the expansion of production capacity and more brand-new equipment, it expects to be able to improve the development of special screws and the manufacturing of stainless steel/carbon steel products. With the addition of the new plant, the monthly production capacity of stainless steel products will reach 80-100 metric tons. Rexson has obtained ISO 9001-2015 quality management system certification, and its products are mainly sold to industrial customers in the US and Europe, with the US accounting for nearly 60 percent and Europe accounting for about 30 percent. This shows that its products and services are well trusted by its customers in Europe and the US.

Stating that the company's stainless steel products are used in a wide range of industries and can significantly reduce maintenance costs, Wu added, "We will also focus on the EV and stainless steel construction screw markets in the future as demand trends continue. In the face of the opportunities and challenges that lie ahead in 2023, I believe that crises are opportunities. In the current market with uncertainties, we will first make physical adjustments to meet the future challenges, and more importantly, provide customers with faster and better quality service to meet the market demand." 



Source: Rexson



Source: Sheh Fung

Sheh Fung's President Terry Tu: Driving Success Through Technology Upgrades and Global Expansion

Sheh Fung Screws, a company that specializes in the production of construction screws, including drywall and self-drilling screws, has achieved remarkable success under the leadership of President Terry Tu, who chaired the Board of Directors in 2019. The company achieved a record-high revenue in 2021, followed by a new milestone in 2022 in its overall profit. The company is one of the few major fastener manufacturers in Taiwan that has been able to generate outstanding profitability during the pandemic. Over the past three years, under the guidance of Tu and the cooperation of the company's team, Sheh Fung has not only improved its product technology, but also reported good results for times in the market expansion. Tu's eagerness to learn and pursue innovation, as well as his diversified cross-industry experience, seem to be imperceptibly influencing every Sheh Fung employee.

Tu, who has been in the fastener industry for over 30 years, introduced the First Self-drilling Screw in Taiwan when he was working for Sheh Fung Screws at the age of 20. He has also been promoting automation and smart production lines at Sheh Fung Screws. In 2012, the company became the first screw factory in Taiwan to introduce the SAP system, which enables the production lines to connect with sub-systems (e.g., MES) and the control center more flexibly for data conversion and extension, reducing human-made errors and downtime as well as achieving more flexible space utilization of production lines, moving step by step towards becoming a smart factory as seen in Europe, America, and Japan. Tu plans to introduce visual inspection and AI technology into the company in the future, which is commonly used in the semiconductor industry to boost manufacturing efficiency and create a more hi-tech traditional industry. In 2019, Tu was elected as Sheh Fung's new president and im-

mediately decided to set up the company's first overseas operation in Phan Thiet City of Vietnam. The construction of the more than 20-hectare Vietnam plant has been launched since December 2022 and is expected to be completed this August or September and become operational in Q4. The capacity of the phase-1 plant will be around 800 tons per month. "The phase-1 plant is a complete experience replica of our Taiwan plant, with heading, thread rolling, electroplating, heat treating, and coating processes. In the past, our Taiwan plants mainly accepted orders for high-end products (small quantities and diverse items) but not for lower-end ones. In the future, with the addition of our Vietnam plant, we can also accept orders for large quantities and specific items," commented Tu. Furthermore, stating that Vietnam's advantageous geographical location could help expand the company's sales to the neighboring ASEAN countries, he added, "We could also benefit from the Europe-Vietnam FTA to expand sales to Europe. In the future, our Vietnam plant will also be upgraded towards intelligent automation. At present, we are also actively training the seed staff for our Vietnam plant in Taiwan, so that we can seamlessly connect with the Vietnam plant after it is officially launched. I hope to lead Sheh Fung to play a leading role and attract other Taiwanese manufacturers to join us." 


JingFong Industry Aims to Expand Product Portfolio to EV Assembly and Railway Applications



Source: JingFong


JingFong Industry Co., Ltd has been active in the field of precision nuts for 40 years and is dedicated to R&D in nuts. In addition to winning the 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.

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 US, as well as to enter the supply chain of the 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: **Prevailing Torque Type Hexagon Nuts with Flange** - These nylon flange nuts featuring anti-loosening, durability, and corrosion resistance are specified by Mercedes 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; **Adjustment Nuts for Shock Absorber Piston Valve** - Their 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 0.1 mm. 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 pieces every year to SACHS' global assembly plants (representing more than half of its global demand); and **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 Rz6.3 to reduce frictional wear. The tolerance of the bearing surface is 0.05 mm (max), and the stable drill-in torque can avoid chipping. 

Taiwan Fastener Export Breaks USD 6 Billion Mark in 2022

Taiwan's fastener export in 2022 reached a record high, with an annual export volume of 1,665,300 tons, making it the third highest result in history. Although there was a 0.7 percent YoY decrease, the export value exceeded US\$6 billion for the first time, with a total of US\$6.355 billion, or nearly NT\$200 billion. Tu-Chin Tsai, Chairman, Taiwan Industrial Fasteners Institute (TIFI), stated that the second half of 2022 was affected by the negative global steel economy, and although the number of orders received by manufacturers was more or less affected, resulting in a slightly lower export volume than the previous year, the export volume exceeded the US\$6 billion mark for the first time, mainly because the fastener industry gradually succeeded in transforming to the development of higher-value-added products, such as automotive screws, resulting in a higher average unit price, and continued to work toward precision machining and smart manufacturing.

Recently, with the gradual improvement of the international steel economy, the market situation in Europe and the United States has improved, and Tsai believes that it will be favorable for manufacturers to receive orders. The fastener industry is expected to recover in the second quarter of 2023, especially starting this May. Export orders will obviously improve, so the outlook for the fastener export market in 2023 is positive. TIFI also pointed out that the average export price of Taiwan fasteners in November 2022 rose to US\$3.98 per kilogram, a record high for a single month in history, but slipped to US\$3.94 per kilogram in December 2022, down 1 percent from the previous month, but up 4.78 percent from the same period in 2021, the second highest for a single month in history. 


Zyh Yin Sets Sights on Expanding into European and North American

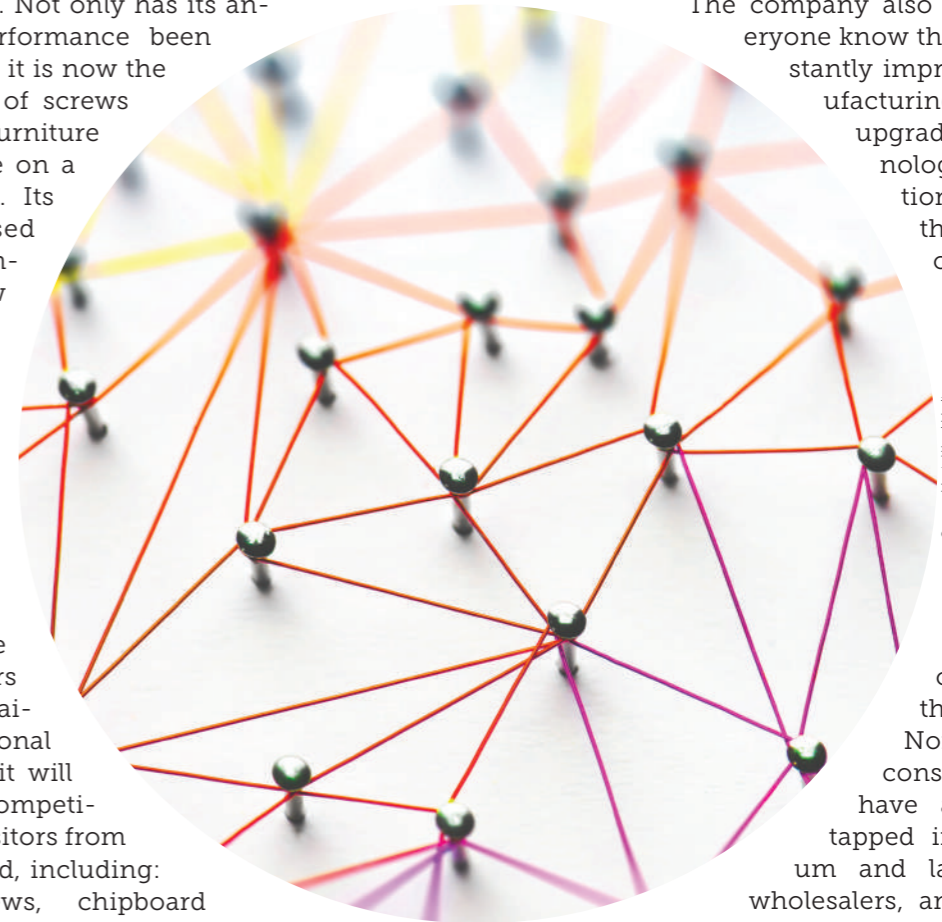
Zyh Yin Ent Co, Ltd, with 'technology, efficiency, quality, and service' as its core values, has been specializing in the production of furniture and construction screws and bolts for years. With its excellent production technology and high quality standards, its products have been successfully exported to Europe, America, 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 global attention to its solid and reliable manufacturing capabilities on the international stage. 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 attractions for many buyers during the exhibition. The special features of these two main products are as follows: **Drywall Screw** - Its 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; and **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, Zyh Yin also participated in Fastener Fair Global in Stuttgart (March) and planned to participate in INTERZUM (May) to let visitors know that they could continue to provide stable quality and excellent service on their existing products.

The company also hoped to let everyone know that they were constantly improving their manufacturing capabilities and upgrading their technology and production capacity to meet the diverse needs of customers.

Currently, Zyh Yin's furniture screws are mainly sold to the European market. Its excellent quality and competitive price 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, the company aims to continue to expand into the European and North American markets to provide better service to customers, as well as look forward to expanding its product offerings to meet the diverse needs of different buyers. 



Source: Magic Wand Media



Source: Fasteners World Inc.

www.fastener-world.com.tw

FASTENER TAIWAN 2023 EXCEEDS EXPECTATIONS

Taiwan International Fastener Show 2023 (Fastener Taiwan), organized by the Bureau of Foreign Trade, MOEA, and co-organized by the Kaohsiung City Government, successfully concluded its three-day event on May 10 at the Kaohsiung Exhibition Center. With record-breaking attendance and nearly 300 exhibitors from the global fastener industry, the event implemented by the Taiwan External Trade Development Council (TAITRA) and the Taiwan Industrial Fasteners Institute (TIFI), attracted close to ten thousand industry professionals from domestic and international markets.



Source: TIFS

Fastener Taiwan 2023 experienced a 7.2 percent growth in visitor attendance compared to pre-pandemic levels. Almost 10,000 professionals from various countries and regions explored the North and South Exhibition Halls, including 1,100 foreign buyers from 60 countries/regions. The top five buyers hailed from India, United States, Japan, Germany, and Thailand, demonstrating the international significance of the event. In addition to the physical exhibition, an online interactive exhibition continued until May 16, extending its reach, attracting visitors from 16 countries, and also offering business opportunities.

Taiwan's fastener industry excellence

Taiwan is renowned as the 'Kingdom of Screws' and its fastener industry has constructed the most complete industry supply chain from upstream to downstream. Made in Taiwan fastener products not only feature consistent quality and the latest innovative industrial technology, but also integrate the latest software and hardware systems to provide high-end applications for the automobile, medical equipment, aerospace, offshore wind power, and information technology industries, among others.

Driving business opportunities

In addition to exhibiting the latest technologies and innovations in the fastener industry, the exhibition organizers held multiple industry forums, procurement meetings, and the Manufacturers Win podcast, attracting many industry experts and scholars to share their experiences and achievements. The Senior Vice President of SAC-MA Group, a well-known Italian manufacturer of fastener production machinery, stated that this was their first time joining Fastener Taiwan, and with many potential business and cooperation opportunities obtained

on-site, the results exceeded his expectations. The procurement Vice President of Reyher, a heavyweight German buyer, expressed his affirmation of the innovative strength of Taiwanese fastener manufacturers at the exhibition. They expressed a wish to continue to cooperate with high-quality fastener suppliers in Taiwan and were excited at the prospect of visiting the show again in 2024. A representative from the Brazilian company Upper Comerico Exterior Ltd also stated that visiting Fastener Taiwan allowed them to find reliable partners in terms of both quality and delivery, while the representative from CCF Company in the UK believed that the show brought better solutions for their company.

Insights from global fastener forum

On the first day of the exhibition, the organizers held the Global Fastener Forum, inviting the presidents of the three major fastener distributor associations, including the National Fastener Distributors Association (NFDA) from the United States, the Italian Union of Fastener Distributors (UDIB), and the European Fastener Distributor Association (EFDA), as well as experts in related fields, to exchange views on the future prospects of the global fastener market under the impact of rising raw material and transportation costs and anti-dumping measures in China. They also



Source: TIFS

discussed hot topics such as the transformation to low-carbon fasteners, smart manufacturing, electric vehicles, and solar and wind power fastener applications. The event attracted over 200 industry insiders from both domestic and foreign markets, providing the industry with the latest trends in domestic and international industries.

Expanding commercial possibilities

On the second day of the exhibition, the organizer carefully planned a procurement meeting to assist industry players in discussions with buyers. This included inviting the Vice President of the KIRCHHOFF Group, a well-known German automotive parts manufacturer, to find the best partners and fastener products at the exhibition and hold discussions with 14 potential partner companies. In addition, TAITRA invited 49 international buyers from 18 countries, in-

cluding Mexico, Germany, United Kingdom, France, Brazil, New Zealand, Finland, United States, Canada, and United Arab Emirates, to participate in 152 one-on-one procurement meetings with 24 industry players. Through this matchmaking event, the industry players gained access to an enormous amount of potential business opportunities.

Themed exhibition for buyers

The organizers also planned a themed exhibition to give buyers a deeper understanding of the excellence of Taiwan's fastener industry. Furthermore, to allow other businesses who were unable to attend the exhibition to participate, the online exhibition was launched on May 3 with a two-week exhibition period and was complemented by the podcast Manufacturing Addiction.

Setting the stage for 2024 edition

Fastener Taiwan 2023, which returned after a five-year hiatus, not only promoted communication and cooperation within the industry but also injected new vitality and energy into it. Fastener Taiwan 2024 is scheduled to be held from April 16-18, 2024, and the latest exhibition news and registration information can be found on the official website and social media fan page (online exhibition: online.fastenertaiwan.com.tw). 



Source: TIFS



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FASTENER FAIR INDIA RETURNS TO MUMBAI FOR ITS 10TH EDITION

Celebrating its 10th anniversary, Fastener Fair India is back with a bang for a 3-day extravaganza from June 1-3, 2023, at Bombay Exhibition Centre, Goregaon (East), Hall 2, Mumbai, where over 180 exhibitors will gather to showcase the latest advancements in industrial fasteners, fixings, and more.



Source: RX India

Fastener Fair India, the leading international exhibition on fastener and fixing technology, will showcase a diverse range of products, including industrial fasteners and fixings, assembly and installation systems, storage and logistics services, fastener manufacturing technology, and construction fixings. The event is organized by RX India, a part of RX, a global leader in building businesses and facilitating face-to-face events.

Stakeholders Assemble

With the support of the Fastener Manufacturers Association of India and Fastener Association of India (FAI), this event promises to be bigger and better than ever before. Leading players from the industry including ABAN Technologies, Agarwal Fasteners, Anu Extrusions, ARC Finishers, Atotech

India, Bhupindra Industries, Capital Bolts and Hardwares, Daljit Engineering Work, Deepak Fasteners, ECM Datensysteme GmbH, Fittech Steel, Fortran Steel, Gel Fasteners, Grauer & Weil, Hans Motors, HSN Fasteners, Kaloti Engg, Kova Fasteners, Magni India, Marposs India, Metaforge Engineering, Micron Precision Screws, Nexo Industries, Precise Alloys, Raa-jratna Ventures, Right Fit Fasteners, Royal Machine Tools, Satya Industries, Senso Vision Systems, Shah Precision Industries, Shruti Fasteners, SK Fastener Machinery and Metals, Sumit Fasteners, Sudhir Automotive Industries, Super Technoforge, Test GmbH, The Krishna American Oil, Varad Automation & Robotics, and among others will be demonstrating and displaying their latest fastener products, technologies, and fixing solutions.

Growth and Opportunities in the Sector

Vicky Kumar, Project Manager, RX India, expressed his excitement about this milestone edition, stating, "Celebrating the 10th edition and the overwhelming response received from the industry and participants, the 2023 edition is going to be held for 3-days, thereby giving a boost to the sector, and creating more opportunities for the stakeholders. Around 180 exhibitors are participating, and over 6,000 visitors are expected to attend the event. We are looking forward to welcoming the industry at the most anticipated event for this sector in the country." Fastener Fair India 2023 is a fantastic opportunity for industry professionals to stay up-to-date on the newest trends and breakthroughs. It is a must-attend event for all stakeholders. 



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Fasteners, nuts



Hardware parts



Hand tools

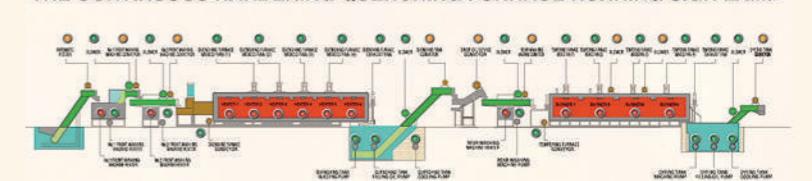


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Tooling Producer with more than 20 years of experience!

Tooling from the best Japanese Steels and Tungsten Carbides.
Diverse Forging / Heading / Cutting Dies and Molds.
All types of Header Punches and Pins.

Capability of our Production:

- Tooling Outside Diameter: up to 150 mm.
- Tooling Inside Diameter: 1 – 25 mm.
- Tooling Length: up to 300 mm.



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