

## Association

### Tri-Regional Fastener Exchange Conference 2024 Held in Hong Kong

2024三地域螺丝交流大会在香港圆满举行

On November 2, 2024, the Tri-Regional Fastener Exchange Conference was held in Hong Kong, marking the first gathering of fastener industry professionals from China, Hong Kong, and Taiwan in five years. The conference began with opening remarks from regional representatives: Mr. Ping-Fai Tsui, Chairman of Hong Kong Screw & Fastener Council; Mr. Xue Kang Sheng, President of CMCA Fastener Subdivision; and Mr. Gray Hu from Taiwan Industrial Fasteners Institute. They shared insights into the development of the fastener industry in their respective regions, highlighting the crises and difficulties faced, and emphasized the importance of strengthening industry exchanges to jointly explore future opportunities.



Following these speeches, Mr. Zhixian Zhou, an engineer from the Hong Kong Productivity Council, delivered a keynote presentation on the "EU Carbon Border Adjustment Tax Policy." He provided a clear overview of the current EU carbon tariff policies and conducted a professional analysis in relation to the fastener industry, offering several practical recommendations. He also addressed questions from attendees regarding the implications of these policies.

Next, Mr. Junhua Jiao from Dongfeng Motor Fasteners presented on fastener technologies related to new energy vehicles, explaining the new requirements for fastener products arising from the current development of new energy vehicles. These presentations not only offered valuable insights into internal industry dynamics but also enhanced participants' understanding of future technological trends. This conference not only fostered communication among the three regions but also laid a solid foundation for the future development of the fastener industry.

## Latest on CBAM & Carbon Price

### European Think Tank Calls on the EU to Direct Revenues from CBAM to International Climate Finance

欧洲智库呼吁欧盟将CBAM的收入用于国际气候融资

The European Roundtable on Climate Change and Sustainable Transition (ERCST) has issued a declaration urging the European Union (EU) to allocate revenues from the Carbon Border Adjustment Mechanism (CBAM) towards international climate finance. The declaration emphasizes the need to support developing countries that are most affected by climate change and least equipped to adapt. It argues that directing these funds can enhance the implementation of the Paris Agreement and demonstrate that the CBAM is an environmental, not protectionist, measure. This initiative aligns with EU commitments to increase climate finance and address the significant funding gap faced by developing nations, estimated at nearly USD 6 trillion by 2030. ERCST is an independent think-tank registered under Belgium law.



## Italy, Poland Among Other Nations Submit an Informal Document for CBAM Amendment to EU

义大利、波兰等向欧盟提出建议修订CBAM之「非正式文件」

To maintain Europe's competitiveness in key manufacturing sectors, support the green transition of energy-intensive industries, and achieve strategic autonomy while preventing industry exodus, Italy and Austria, Bulgaria, Poland, among others, have submitted an "informal document" proposing amendments to CBAM to the EU. This informal document was jointly promoted by Adolfo Urso, Minister of MIMIT (Ministry of Enterprises and Made in Italy), and Gilberto Pichetto, Minister of Environment and Energy Security. It suggests that the European Commission advance the clause review to 2025 to allow for improvements before the full implementation of CBAM in 2026. The document addresses four key areas: simplifying administrative burdens, strengthening measures against carbon leakage and dumping practices, avoiding the inclusion of indirect emissions in CBAM—which could lead to increased electricity costs in decarbonization—and introducing mechanisms to protect European exporters to ensure fair competition in markets without a similar "EU Emissions Trading System (ETS)." Additionally, it proposes delaying the gradual elimination of free ETS allowances for energy-intensive industries to mitigate uncertainties and risks associated with the implementation of CBAM. The proposed amendments by the Italian government are also part of a strategy to protect the domestic steel industry, focusing on revitalizing four major steel production bases: Taranto, Terni, Piombino, and Acciaierie del Nord. Italy is now seen as a successful model in Europe, as 85% of its domestic steel production is generated through electric arc furnaces using recycled scrap steel—significantly higher than the European average of less than 50%.

## European People's Party Calls for Two-year CBAM Freeze

欧洲人民党呼吁将CBAM冻结两年

The European People's Party (EPP) has called for a two-year delay on the implementation of CBAM in a statement seen by Kallanish, following its recent leadership summit. It also called for the introduction of the Corporate Sustainability Reporting Directive and the Corporate Sustainability Due Diligence Directive to be paused for the same length of time. It argues these measures impose excessive burdens on SMEs, hinder competitiveness, and risk deindustrialization.

“The EU has decided on ambitious climate targets and policies to achieve them. When implementing them, we must make sure that they do not lead to deindustrialization. If climate policy becomes an obstacle for competitiveness and growth, it will not only fail to have the



## IMPORTED FROM SWITZERLAND ATMOSPHERE HEAT TREATMENT (AUSTEMPERING)

从瑞士引进国际先进的  
贝氏体等温淬火设备

Double-Gold Machinery Accessory Factory founded in 1987. It is one of the earliest private enterprises engaging in production of various standard fasteners such as retaining rings for bores, E-rings, wave washers, and spring washers, etc. We have gained the certification of ISO9001:2015 International Production Management System, ROHS2.0 Environmental Protection Certification, and the certification of ISO14001:2015 Environmental Management System.

Double-Gold Factory holds the concept of innovation promoting values and always put a premium on investment and updating of equipment. Therefore, in 2008, we imported the most advanced equipment of controlled atmosphere heat treatment (Austempering) from Switzerland.

As a professional manufacturer in standard fasteners industry, we have endless pursuit of quality. We are making efforts to maintaining the highest level of raw materials selection, employee cultivation, products production and inspection. Double-Gold strives to achieve precision in every detail, and our hardworking are just for offering the ideal products to our customers.



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support of European citizens, but it will also risk increasing global emissions because products will be produced in other regions of the world with higher emissions,” it said.

The EPP proposes limiting such regulations to large companies (1,000+ employees), reducing overlap, and cutting reporting obligations by 50%. It also calls for measures to protect the European automotive industry and allocate more ETS revenues to energy-intensive sectors.

In contrast to the EPP’s call, CEMBUREAU (The European Cement Association) calls for timely CBAM start: “CEMBUREAU agrees that some targeted improvements could be brought to CBAM, in particular to minimize the risks of fraud and circumvention, find a solution for exports, and simplify the mechanism where possible. These points are important and deserve a strong focus from policymakers. However, a two-year delay in CBAM implementation would only cause major risks for ongoing EU decarbonization investments, and for the broader competitiveness of the cement sector, which has been confronted



with rising imports in recent years,” said CEMBUREAU in a statement.

CEMBUREAU also points out that CBAM does not add bureaucratic constraints on European cement producers as it mirrors the requirements of the EU Emissions Trading Scheme, to which all European producers of CBAM goods are subject today, to ensure a level playing field between goods produced in the EU and outside of the EU.



## Feel the Power of Screws

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### Due to CBAM, Ukraine May Lose 6.4% of GDP by 2030

CBAM可能使乌克兰的GDP在2030年下降6.4%

Ukraine could face significant economic challenges due to the EU's CBAM, potentially losing 6.4% of its GDP by 2030, according to a recent report from CMD-Ukraine. The export decline may reach 6.3%, with exports to the EU dropping by 9.8%. The steel industry, which constitutes a large portion of Ukraine's exports, will be particularly affected, as CBAM applies to 15-17% of these exports. In the first year of full CBAM implementation in 2026, export losses could amount to US\$202 million, escalating to US\$1.4 billion by 2030. The report highlights that the financial burden from CBAM could



hinder Ukraine's recovery and integration into the European economy, especially as it struggles with ongoing war-related challenges. Ukrainian businesses are calling for government support, including staff training and access to low-interest loans, to navigate these new regulations effectively.

### UN Warns Countries' Carbon Pledges Fall Short of 2030 Climate Goals

联合国警告当前各国碳排放承诺远未达到2030气候目标



# United Nations

As many countries are drawing measures for CBAM and carbon reduction, the United Nations has issued a warning that global carbon-cutting commitments are significantly inadequate to combat climate change. In 2023, greenhouse gas concentrations reached record highs, with carbon dioxide levels soaring. Current national pledges are projected to reduce emissions by only 2.6% by 2030 compared to 2019, far below the necessary 43% reduction outlined in the Paris Agreement.

UN climate chief Simon Stiell stressed the urgency for "bolder" plans to address the crisis ahead of the COP29 climate summit. The World Meteorological Organization reported a more than 10% increase in atmospheric carbon dioxide over the past two decades. Experts emphasize that immediate action is essential to close the emissions gap and achieve climate goals, warning that failing to do so could lead to devastating consequences for economies and lives worldwide.

## Industry Development

### Australia Initiates Anti-dumping and Anti-subsidy Investigation into Chinese Friction Bolts

澳洲对中国制摩擦螺栓发起反倾销反补贴调查



**Australian Government**  
**Department of Industry, Science, Energy and Resources**

On December 19, 2024, the Australian Anti-Dumping Commission initiated an anti-dumping and anti-subsidy investigation into friction bolts imported from China. The investigation period spans from October 1, 2023, to September 30, 2024, with a harm assessment period starting from October 1, 2020. The products under investigation are hollow steel bolts used for ground support in mining, tunnel, and civil engineering projects. These friction bolts, made from hot-rolled coil steel (HRC), have specific dimensions: an outer diameter between 44 mm and 48 mm, lengths between 2.2 m and 2.5 m, and a base metal thickness between 2.8 mm and 3.4 mm. They may include a welded ring and are designed to expand slightly when inserted into rock holes, creating friction to stabilize rock structures. Australian manufacturers claim their products are functionally equivalent and can fully replace Chinese imports. However, bolts with solid core reinforcement and locking systems, known as mechanical anchor bolts, are excluded from this investigation.



### Handan City Launches Fastener Industry Full-Chain Smart City Industry-Academia Integration Alliance

邯郸市成立紧固件产业全链条数智化市域产教联合体

In China, Handan City has officially launched the Fastener Industry Full-Chain Smart City Industry-Academia Integration Alliance. This initiative aims to accelerate the industry's smart digital transformation, deepen industry-academia integration, and promote innovation across the supply chain. The alliance is supported by the Hebei Provincial Education Department and Handan City Government. It will integrate resources from the government, industry, and academia to create a collaborative platform, enhancing talent development and driving regional and social economic growth. The alliance is expected to boost the competitiveness of Handan's fastener industry through smart technologies and collaborative innovation.

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## CAAM Reveals Chinese Automotive Production and Sales Performance in 2024

### 中汽协会公布2024年汽车工业产销情况

According to an analysis by China Association of Automobile Manufacturers (CAAM), in 2024, the cumulative production and sales of automobiles reached 31.28 million and 31.44 million units, respectively, representing year-on-year growths of 3.7% and 4.5%. This marks a new record, maintaining production and sales above the 30 million unit threshold. Among these figures, passenger vehicle production and sales continued to grow, playing a positive role in stabilizing the automotive consumption base. However, the commercial vehicle market showed weak performance, with production and sales failing to meet the expected 4 million units. The new energy vehicle (NEV) sector experienced rapid growth, with annual production and sales surpassing 10 million units for the first time, accounting for over 40% of total sales, thus entering a new phase of high-quality development.



## Companies Development

### Guangdong Kuabiao Construction Technology Celebrates 10th Anniversary

#### 广东跨标举行十周年庆典

Guangdong Kaibiao Building Technology Co., Ltd. celebrated its 10th anniversary with a grand ceremony. The attendees included company staff, distinguished guests, and industry peers. The event featured a tour of the factory's production facilities, showcasing organized equipment and clean environments. Originally established as Dongguan Kaibiao Stainless Steel Fasteners Co., the company has focused on high-quality carbon and stainless steel fasteners since 2005. It expanded its product line to include dual-metal composite screws in 2013. The company relocated to Yangjiang in 2020 and began operation in a new 10,000-square-meter facility in 2021.



### Hip Hing Screw Industrial (Dongguan) Celebrates 30 Years

#### 协兴螺丝30周年庆典

On December 18, 2024, Hip Hing Screw Industrial (Dongguan, China) celebrated its 30th anniversary and the completion of its Shaoguan base. Founded in 1994, the company specializes in producing precision screws and other hardware components, with

a daily output of 10 million pieces and an annual revenue exceeding HK\$100 million. The company adheres to international standards like JIS, ISO, and ANSI, offering customized services. It has strong partnerships with over 200 enterprises globally. The ceremony honored long-serving employees and showcased the company's achievements, reinforcing its industry leadership. In the future, the company will continue to pursue excellence and make greater contributions to the development of the industry and the local economy.

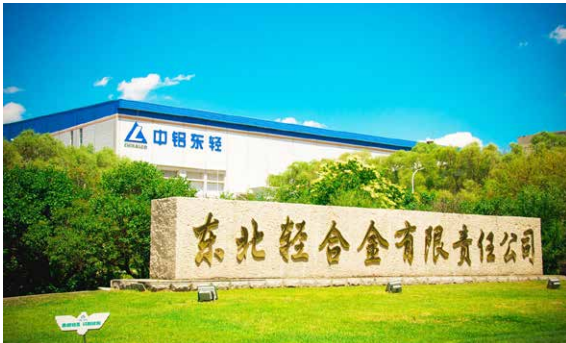


## Shanghai Hongji Metal Products to Build a Special Fastener Production Base

上海鸿基投资5亿人民币建设异形紧固件生产基地

Shanghai Hongji Metal Products has signed a strategic cooperation framework agreement with Malu Town to establish an R&D headquarters and a high-value special fastener production base at No. 2151 Kemao Road. The project is expected to have a total investment of RMB 500 million and may begin construction in 2025. The project includes the group's R&D office building, advanced R&D trial centers, and modern production workshops.

In the future, this site will not only become the operational core of the group's headquarters but also accelerate the development of high-tech new products by leveraging the group's R&D centers and laboratories. The establishment of intelligent production workshops will enable the company to independently develop, design, and manufacture high-precision cold forging and deep drawing molds and products, further enhancing its core competitiveness. Shanghai Hongji Metal Products is a multinational manufacturing company founded in Malu Town of Jiading District, with five production bases globally. It focuses on providing fasteners, stamping parts, and stretching parts for industries like automotive and security. This project demonstrates the company's commitment to local roots and global vision, driving technological innovation and industrial upgrade. It will also positively impact the local economy by promoting industrial clustering and injecting new vitality into Jiading's high-quality development.



## Northeast Light Alloy Succeeds in Producing Rod Products for Fasteners

东北轻合金有限责任公司成功生产紧固件用棒材产品

The company successfully produced rod products for fasteners, further enhancing its market competitiveness and laying the foundation for increased production of rod materials. These rods are high-end products in rivet manufacturing, and this is the first time they have been produced since the establishment of the fastener production line.

Despite the lack of prior experience, the production team overcame uncertainties by thoroughly analyzing product characteristics, production risks, and operational challenges. They developed a comprehensive plan to ensure efficient production. Before production, the fastener production area organized key personnel to analyze product features, production risks, and operational difficulties, listing precautions and handling methods to ensure thorough preparation and guaranteed production efficiency. Due to the strict requirements for craftsmanship during production, operational and technical staff worked together closely. Technical personnel monitored the site to ensure timely resolution of any issues.

In terms of equipment operation, the fastener production area collaborated with equipment and electrical system specialists to adjust the continuous rolling machine's frames, optimize the flying shear cutting parameters, and meticulously design modification plans. They completed the hydraulic cutting modification for the combined drawing machine's outlet, effectively reducing personnel deployment and revitalizing the equipment, thereby enhancing production efficiency.

## Zhejiang Huayuan Aims at Producing 28,500 tons of High-strength Fasteners Annually

浙江华远推进年产28,500吨汽车特异型高强度紧固件项目



Zhejiang Huayuan Auto Technology specializes in the research, production, and sales of customized automotive system connectors. From 2021 to June 2024, the company's main business revenue each year reached RMB 439 million, RMB 482 million, RMB 542 million, and RMB 281 million, respectively. Zhejiang Huayuan has established partnerships with major automakers and parts suppliers. The company is a first-tier supplier for brands like Volkswagen China and Honda, providing specialized fasteners and seat locks widely used in various automotive systems. Currently, Zhejiang Huayuan is advancing a project aimed at producing 28,500 tons of high-strength fasteners annually. This initiative will enhance the company's competitiveness and optimize its product structure while continuously improving technology and product offerings.



## Bossard Fastening Solutions (Guangdong) Now Officially Established

柏中紧固件（广东）有限公司正式成立

Bossard Fastening Solutions (Guangdong) is a wholly-owned subsidiary of the Swiss Bossard Group established in China, located in Shenzhen. It is the latest addition following the establishment of Bossard Fastening Solutions (Shanghai) Co., Ltd. and Bossard Fastening Solutions (Tianjin) Co., Ltd. Serving as the regional headquarters for South and West China, it integrates customer service, warehousing and logistics, engineering applications, and quality testing laboratories into a comprehensive provider of fastening and assembly technologies. The establishment of Bossard Fastening Solutions (Guangdong) marks a significant step for the Bossard Group in the Chinese market, aiming to offer localized product solutions and professional technical services to customers in South and West China more effectively. This move reflects Bossard's commitment to enhancing its presence in the region and improving service delivery to meet the specific needs of local clients.



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# 30-year Fastener Manufacturer

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## BYD Expands Global Footprint with New EV Plant in Indonesia

比亚迪在印尼扩展全球布局  
新建电动车工厂

BYD, the world's largest EV manufacturer, is set to expand its international presence with the construction of a new EV plant in Indonesia by the end of 2025. This facility will have a production capacity of 150,000 vehicles per year, reinforcing BYD's commitment to overseas manufacturing after achieving record sales of over 4.27 million new energy vehicles in 2024. Despite Tesla narrowly beating BYD in global EV sales in 2024, BYD outpaced Tesla in production, securing its title as the largest EV maker.

The US\$1 billion investment in the Indonesian plant aligns with the country's goal to produce 600,000 EVs domestically by 2030. BYD already holds a significant market share in Indonesia, accounting for 36% of EV sales last year. The company plans to utilize this new facility primarily for exports while continuing to introduce popular models such as the Seal and Atto 3. BYD's rapid expansion into Southeast Asia is prompting traditional automakers like Honda and Nissan to reevaluate their strategies as they face increasing competition from Chinese manufacturers.



## Swiss Automotive Giant Feintool to Close German Factory, Lay Off 200 Employees

电动汽车需求疲软，瑞士汽配巨头Feintool拟关闭德国工厂裁员200人

On December 4, 2024, Swiss automotive supplier Feintool announced plans to close one of its factories in Germany and lay off up to 200 employees. This decision comes amid weak demand for electric vehicles and uncertainty surrounding the transition to renewable energy. According to Reuters, German automakers and suppliers are facing challenges



such as soft demand, high production costs, competition from Chinese manufacturers, and slower-than-expected electric vehicle adoption. Feintool noted that this restructuring would primarily impact its earnings in 2024. The company reported a net loss of CHF 3.2 million for the first half of 2024. Feintool, founded in 1959 and headquartered in Switzerland, has grown into a leading global fineblanking and tool manufacturing company. It operates 17 production facilities and technical centers across 7 countries on 3 continents, employing approximately 3,500 people worldwide.

## Acquisitions



### Bossard Completes Acquisition of Ferdinand Gross in Germany

Bossard集团完成对德国Ferdinand Gross集团的收购

Proven Productivity

On January 7, 2025, the Bossard Group completed its acquisition of the German Ferdinand Gross Group. Headquartered in Leinfelden-Echterdingen, Ferdinand Gross had been expected to achieve net sales of approximately €80 million for the 2024 fiscal year and currently employs around 260 people. The company is one of Germany's leading distributors of fastening technology and has



CONCRETE SCREW SUPPLIER



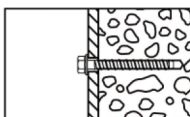
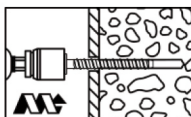
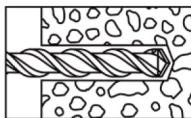
#### ANSI-B212.15

Anchor Size (mm)	Nominal Diameter of Drill Bit (mm)	Tolerance Range (mm) ±(D)
M6	6.0	6.15-6.40
M8	8.0	8.20-8.45
M10	10.0	10.20-10.45
M12	12.0	12.20-10.50

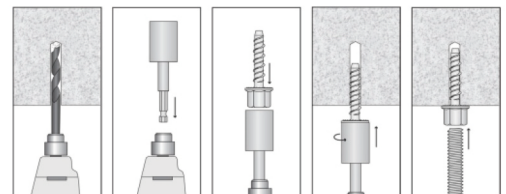
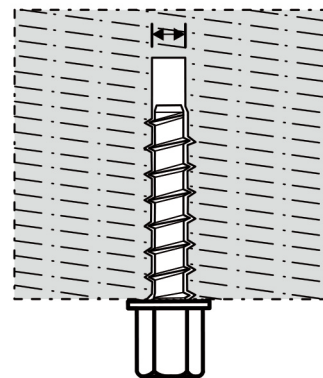


#### Installation information

- Using the proper size carbide bit, drill a pilot hole at least 0.5 deeper than the desired anchor embedment.
- Clean the hole using a nylon brush and compressed air.
- A. Solid Concrete: Using an electric impact wrench, or socket wrench, insert anchor through the fixture into hole and tighten anchor until fully seated. If using an electric impact wrench, start on light torque setting to prevent over-torquing or damaging threads.
- B. Concrete Block: Using a socket wrench insert anchor into hole and hand tighten anchor until full seated. Do not use an impact wrench for installation into Concrete Block walls.



Drilling Diameter (metric)



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branches in Hungary and Poland. Through this acquisition, Bossard aims to further increase its market share in Germany and Eastern Europe, solidifying its global presence in the industrial fastening technology sector. The integration of Ferdinand Gross with Bossard Germany will enable the combined entity to offer a more comprehensive range of customized fastening technologies and solutions to customers in Germany and Eastern Europe. This strategic move enhances Bossard's ability to serve its existing customers more effectively while expanding its offerings in the region.



## LISI AUTOMOTIVE Has Entered into Negotiations with ZeroBaseInvest with a View to Selling LISI AUTOMOTIVE NOMEI SAS

LISI Automotive与ZeroBaseInvest就出售LISI Automotive NOMEI SAS进行谈判

ZeroBaseInvest GmbH submitted a firm offer to LISI AUTOMOTIVE with a view to acquiring 100% of the shares in its subsidiary LISI AUTOMOTIVE NOMEI, which specializes in the manufacture of nuts by cold heading and washers by vertical cutting, notably for the automotive and industrial/distribution markets. This subsidiary, located in **La Ferté Fresnel** (61) in France, will achieve sales of around €35 million in 2024, drawing on significant positions with automotive manufacturers (Stellantis, Renault, VW, Nissan), industrial distributors and manufacturers of screws and cage nuts. LISI AUTOMOTIVE's subsidiaries will continue to purchase washers and nuts for its customers' automotive applications.

This acquisition project completes the range of nuts produced by ZerobaseInvest GmbH through its subsidiary ZB M+F, acquired from LISI AUTOMOTIVE FORMER in 2020. This disposal will enable LISI AUTOMOTIVE to continue refocusing its activities on high value-added fastening solutions and mechanical components for its automotive customers. This transaction is subject to satisfying certain conditions and obtaining the usual required authorizations. It should be completed by the end of February 2025. ■



ZHONGDUN

## HANDAN ZHONGDUN FASTENER MANUFACTURING CO., LTD

### PRODUCT DISPLAY



HIGH STRENGTH NUT



HOT DIP GALVANIZED NUT



COLORED ZINC HEXAGON NUT



FLANGE NUT



FLAT PAD/SPRING PAD



HEX BOLTS/STUD BOLTS



GALVANIZED LEAD SCREW



LOCK NUT



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