

惠达特搜全球新闻

Fastener World News

compiled by Fastener World

China Continues Anti-dumping Duties on EU/UK Carbon Steel Fasteners Effective from June 29

The Ministry of Commerce of China announced to continue anti-dumping duties for 5 years on partial carbon steel fasteners originated from EU and UK, effective June 29, 2022. The Ministry claimed that if it ceased this anti-dumping measure, the dumping of carbon steel fasteners from EU and UK to China as well as the injury made to the Chinese carbon steel fastener industry would continue or happen again.

June 28, 2010, the Ministry decided to impose anti-dumping duties (rates from 6.1% to 26.0%) on carbon steel fasteners originated from EU. June 28, 2016, the Ministry decided to continue the anti-dumping duties for 5 years from June 29, 2016.



The carbon steel fasteners subject to the duties include wood screws, self-tapping screws, screws and bolts with or without nuts or washers (excluding rail screws as well as screws

and bolts with a diameter under 6mm), and washers. The scope of the investigation did not include nuts and fasteners used for the maintenance and repair of civil aircrafts.

UK Maintains Steel Safeguard Measures Until June 30, 2024

UK Department for International Trade announced June 23 the decision to maintain the transitioned trade remedies. Particularly on the fastener-related "non-alloy and other alloy wire rods" under product category 16, the Department decided to extend the safeguards for 2 years from July 1 2022 to June 30 2024. The quarterly tariff rate quota remains as it is and the amounts that exceed the quota are subject to a 25% safeguard tariff.



Department for International Trade



U.S. Terminates Anti-dumping Duties on Helical Spring Lock Washers

The U.S. Department of Commerce revoked the AD orders on helical spring lock washers from China and Taiwan because no domestic interested party filed an application.

June 28, 1993, Commerce issued an AD order on helical spring lock washers from Taiwan. October 19, 1993, Commerce issued an AD order on helical spring lock washers from China. The U.S. initiated 4 sunset reviews respectively on February 23, 2001, July 3, 2006, December 5, 2011, and May 26, 2017, each prolonging the duty expiration date. April 1, 2022, Commerce initiated the 5th sunset review investigation on helical spring lock washers from China and Taiwan.



FIJ Releases Cost Pass-through Survey Result

The Japanese fastener industry encountered great cost pressure in the peak years of COVID, but a bigger pressure burdened it with the first trigger pulled between Russia and Ukraine at the dawn of February 24, 2022. The Fastener Institute of Japan (FIJ) had members who wrote in saying "increased material price has had an impact on business. We are puzzled at our inability to put the cost on product price". It was then that the Institute launched a survey on cost pass-through within the Japanese fastener industry. The result was released in mid-June.

Up to the end of this April, the Institute received responses from a total of 126 member companies. The response rate was up to 70%. Among them, 95 member companies take up 75% work in the production and sales of fasteners, reflecting a high level of the industry's attention to the issues regarding cost pass-through. Out of the 126 member companies, 52% are in the automotive industry, 12% in machinery, and 9% in construction.



Up to 87% member companies replied that increased price brought a large impact on business. In sub-industries, 92% member companies of the automotive industry recognized a large price hike impact on business; the machinery industry had 82% and the construction industry had 78%. The hike was stronger on ferrous materials than on non-ferrous materials, regardless of the automotive, machinery or construction industry.

Up to 97% of the member companies had negotiated with clients for a higher product price; only 2% of them had considered but never embarked on the negotiation. Intriguingly, only 37% of them succeeded in the negotiation and went on to raise the product price. To this, an average of 45% out of all member companies did not think it was enough proportion. In the automotive industry, 51% member companies did not think it was enough. Over 60% of all member companies felt puzzled at this.

Judging from the above figures, over 80% Japanese fastener companies were taking the impact of increased material prices. The automotive, machinery and construction industries — large consumers of fasteners — had all been impacted by the price hike which was most obvious in iron price. Although almost all the member companies (97%) had attempted the negotiation, the success rate was about only 30%.

The Institute proposes to form a "industry group" comprising multiple companies that work in tandem to solve the current problems instead of going alone.

Industrial Fasteners Institute (IFI) Announces New Board Leadership



The Industrial Fasteners Institute (IFI), has elected new leadership for the organization's Board of Directors for the 2022-

2023 term. Jeff Liter of Wrought Washer Manufacturing, Inc. was selected to lead the Board as Chairman, along with Gene Simpson of Semblex Corporation as the new Vice Chairman.

In addition to Mr. Liter and Mr. Simpson, the Board of Directors also includes:

- Dan Curtis, MacLean-Fogg Company
- Jerry Bupp, National Machinery L.L.C.
- Khinlay Maung, Consolidated Aerospace Mfg.
- Michele Clarke, Valley Forge & Bolt Mfg.
- Steven Sherman, Industrial Rivet & Fastener
- David Monti, Fall River Manufacturing Co., Inc.
- Edward Lumm, Shannon Precision Fastener, LLC
- Larry Valeriano, Avantus Fasteners
- Ryan Surber, ATF, Inc.
- Greg Rawlings, Nylok LLC

Division Chairs for IFI are:

- Div. I – Industrial Products: Brian Prodoehl, Valley Fastener Group, LLC.
- Div. II – Aerospace Fastener Products: Bob Gurrola, Howmet Fastening Systems
- Div. III – Automotive Industry Fastener Group: Kevin Vollmert, ITW Shakeproof Automotive
- Associate Suppliers' Division: Jerry Bupp, National Machinery, LLC

EU Agrees to Ban Fossil Fuel Vehicle Sales by 2035



EU announced on June 29 that it has approved a full-range ban of new fossil fuel vehicle sales by 2035 on the European continent.

This is aimed to pull carbon emission down to zero. The proposition was brought to the table in July 2021, and the final determination hints at a total cease of fossil fuel vehicle sales and EU's full transition into EVs starting from 2035.

The purpose of this determination is to facilitate the climate target for Europe, which particularly is to reach carbon neutrality by 2050. At the request of countries including Germany and Italy, the 27 EU nations agreed to consider giving the green light to the use of alternative technologies such as plug-in hybrids if they can achieve the complete elimination of greenhouse gas emissions.

Environment ministers meeting in Luxembourg also approved a five-year extension of the exemption from CO2 obligations granted to so-called "niche" manufacturers, or those producing fewer than 10,000 vehicles per year, until the end of 2035. The clause, sometimes referred to as the "Ferrari Amendment", will benefit luxury brands in particular.

"This is a big challenge for our automotive industry," acknowledged French Minister of Ecological Transition Agnes Pannier-Runacher, who chaired the meeting. But she said it was a "necessity" in the face of competition from China and the United States, which have bet heavily on electric vehicles seen as the future of the industry.

Tim O'Keeffe Awarded NFDA's Fastener Professional of the Year

The National Fastener Distributors Association (NFDA) is pleased to announce that Tim O'Keeffe of G. L. Huyett (Minneapolis, Kansas) is the 2022 recipient of its Fastener Professional of the Year award. The Fastener Professional of the Year award was created by NFDA

to honor individuals and companies that make a substantial positive impact on people's lives. In 2020, O'Keeffe was inducted into the National Fastener Hall of Fame. O'Keeffe was the Associate Chair of the NFDA from 2007-2010. Tim received his award at the NFDA Annual Meeting & ESPS®





Welcome Reception in Minneapolis, Minnesota on June 21, 2022. Nominations for the next Fastener Professional of the Year award will open in January 2023.

China Fastener Import & Export Data in First-half 2022

China exported 2,471,567 tons of fasteners in the first half of 2022, up 210,337 tons (9.3%) from the same period of last year. The export value reached USD 6.37 billion, up 1.3 billion (27.4%). The average export price was USD 2,600 per ton, compared to USD 2,200 per ton in the same period last year. In June 2022, China exported 484,642 tons of fasteners, up 56,344 tons (13.2%) from the same month last year. The export value in June 2022 was USD 1.33 billion, up USD 320 million (31.7%). The export price in June 2022 was USD 2,800 per ton.

China's New Energy Car Export Grows 130% in H1 2022

China Association of Automobile Manufacturers' statistics reveal an uptrend in China's car export in June 2022. New energy car has been the highlight of China's export in recent years. Some of the Chinese automakers have made it into Europe and other regions. In the first half of 2022, China's new energy car export grew 130%, taking up 16.6% of all China's car export.



The data released by the Association shows that China manufactured 12.11 million units of vehicles and sold 12.05 million units of vehicles in the first half year of 2022. In terms of export, China set a new record in June in which the Chinese automakers exported 249 thousand units of vehicles, up 57.4%. This includes 198 thousand units of passenger cars that were exported, up 65.6%, and 51 thousand units of commercial cars, up 32.4%. In the first half of 2022, Chinese automakers exported a total of 1.218 million units of cars, up 47.1%. "The Russia-Ukraine war affects part of our export market, but from what we heard from the automakers, they are doing well with oversea orders that don't appear to reduce in number," said the vice secretary of the Association.

The drastic growth of Chinese new energy car export was also attributed to Tesla. In 2021, Tesla Giga Shanghai delivered a total of 480 thousand units of vehicles, among which one third were exported to Europe and Asia Pacific. It is worth noting that the number of export which was 163 thousand units of vehicles represents half of all new energy cars exported by China in 2021. In the first 5 months of 2022, Tesla Giga Shanghai exported 96,214 new cars as compared to 36,753 cars exported in the same period last year. After Tesla Giga Shanghai resumed production, Tesla outperformed the record in its monthly sales it reached before the pandemic.



China's Lengshuijiang City Makes RMB 1.6 Billion on Fasteners a Year

The fastener industry in Lengshuijiang City of Hunan Province makes a production value of RMB 1.6 billion a year on screws and nuts. Through the Chinese government, Lengshuijiang Tianbao Industrial (a fastener developer and manufacturer) signed a contract of collaboration with a little over ten local companies including Zoomlion, SANY Heavy Industry, and Hunan Valin Steel.

With its strength in steel materials, Lengshuijiang City is fully supporting the fastener industry. The city has had a company manufacturing high strength fasteners of grade 8.8 and above, the highest grades within China. These high-performance fasteners are extensively applied in equipment manufacturing, infrastructure, automobile, ship building and other areas across 29 provinces. Lengshuijiang Tianbao Industrial tops the chart of fastener production and sales in China. Last year Lengshuijiang City sold over 210 thousand tons of fasteners and made a production value above RMB 1.6 billion.

China Yongnian Fastener Technical Service Center to Speed up Construction

The Fastener Technical Service Center in Yongnian District of China is being built on a total floor area of 55 thousand square meters with a total investment of RMB 380 million. It comprises a commercial reception center and an inspection center and is expected to complete in October 2023.





The fastener industry in Yongnian produces a value worth of RMB 34 billion a year with a market share over 55% across China. The products from this district are sold across China and exported to more than 100 countries. The district has an increasing proportion of high-end products and an improving fastener supply chain, but still requires improvement on inspection capabilities. After the center completes, the annual profits and taxes will amount to RMB 18 million and the center will add 500 jobs, provide standard parts inspection, R&D, and attract funds and technologies as well as talents.

Zhejiang Ronnie Precision Machine Now on Beijing Stock Exchange



Zhejiang Ronnie made it to Beijing Stock Exchange on June 9, 2022. The

company issued 3,790 shares starting from a floor price of RMB 3.21 per share, raising a total of around RMB 122 million.

The company was founded in 2002, focusing on developing, manufacturing and selling precision metal parts including precision fasteners, connectors and structural parts supplied to downstream application industries including electronic products, automobile, telecommunications and power equipment. It has 90 patents.

Embedded nuts for notebooks which are the company's main product takes up over 40% of the world's market share. The income in 2020 grew 28.07% from 2019, and in 2021 it grew another 45.06% from 2020. The company has extended from electronic products to the automotive, telecommunication and medical industries to lift profitability. The funds raised in this IPO are mostly used to invest in building a smart precision parts factory that can produce 300 million parts per year, as well as building an R&D center and refilling circulating capital.

Gem-Year Works with Beijing-Shenyang High-speed Railway



Gem-Year signed a contract on June 9 this year with Beijing-Shenyang High-speed Railway to supply materials for a high-speed railway construction stretching from Shenyang to Baihe. The contract involves the supply of fasteners and parts for high-speed rail and is worth RMB 728,894,241 which is expected to increase Gem-Year's profitability and competitiveness, and further consolidate the company's position in fasteners and parts for high-speed rail.

In 2021, Gem-Year's revenues derived from businesses including fasteners (87.3%), components and tools (1.62%), and automated inventory equipment manufacture (0.78%). The company has a market value of RMB 4.9 billion.

Wenzhou Intelligent Fastener Warehousing Base Trial Run



Located in Shangjiang Village of Wenzhou City in China, Taodingding Intelligent Fastener Warehousing Base started a trial run on August 28, 2022. The land where it stands used to be a wire drawing area spanning 60 thousand square meters. The base launched a makeover this May and will create a structure of 30 thousand square meters to contain 390 shops, and up to 430 shops if we count in the warehouse. So far, 180 fastener companies from Wenzhou and surrounding areas have signed contracts to move into the base. Around 80 companies were furnishing their shops.

Wenzhou Yueshi Technology, the investor of the base, said it deployed the base in the village because the local fastener industry has a long history, a solid foundation and a complete supply chain. Besides the shops' offline sales, the base works with "Taodingding" to create an online plus offline sales model. "Taodingding" is an online one-stop B2B purchase platform focused on fasteners, covering 10 fastener categories.



Chun Yu to Keep Positive Growth in H2 2022

On markets in China, Europe and the U.S., Chun Yu said China has gone through the worst of the lockdown. The Chinese demand will come back and Chun Yu will regain its normal sales performance in China in the second half of the year. The company maintains a certain level of growth in the U.S. and Europe despite decelerated growth in these regions.

The war between Russia and Ukraine affects the global steel industry. Particularly, both the countries supply wire rods to the world. Reduction in steel supply pushes up steel price. Higher inflation and higher steel materials (coal and iron) cost contribute to price hike. As the U.S. and China embark on infrastructure construction, demand is expected to rebound.



NAFCO's Q2 Business Stabilizes with Global Shipping Rebound



Aerospace fastener manufacturer NAFCO stabilizes business in the first half year as global shipping continues to rebound. The company saw a rebound in profit margin, operating profit margin and net profit margin after tax. The EPS stood at NTD 0.94, a record high in the last 9 quarters.

NAFCO's shipment and revenue dipped low in April as a result of China's COVID lockdown, but work resumed in the company's factories in May and June. Despite a delay in shipment, NAFCO's revenue gained 17% quarter on quarter and 59.8% over the same quarter last year, arriving at NTD 497 million, a new quarterly record since 2020.

With increased revenue, NAFCO had a gross margin of 22.07% and operating profit margin of 5.13%. The net profit margin after tax reached NTD 49.59 million, upping net profit margin to 9.98%.

Ukraine Crisis Takes a Heavy Toll on Japanese Small & Medium Fastener Companies



Kinsan Fastener News (Japan) reports, the Russia-Ukraine is creating a new economic risk that is pressing against the fastener industry in Japan. The increased price of materials is reflecting in selling price, but the Japanese fastener companies still find themselves unable to keep up with the frequent material price change. More and more companies as such find themselves shying away from buyers who don't accept the cost pass-through.

It also becomes problematic that the price raised on sub-materials is yet to reflect in product price. As petroleum price goes up and triggers a higher electricity and utilities cost, it also pushes up the costs for electroplating, heat treatment, oil, packaging materials and tools. In some cases, it costs an extra JPY 20 per kilogram of electroplating. The Japanese fastener makers have been covering the costs for sub-materials because it is their convention not to reflect such costs in product price, but they are faced with the fact that sub-material price hike is a harsher problem to tackle compared to increased prices of materials. Some of them have ended up in closing business. To the Japanese fastener makers, how they could quickly reflect the increased cost on product prices is a crucial factor that hugely impacts their business.

HAIYAN GETE HARDWARE CO., LTD.

GUARD RAIL BOLTS



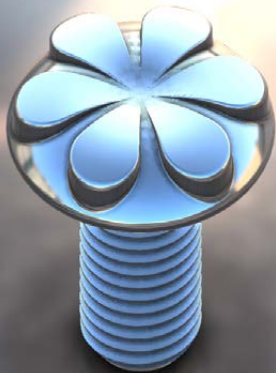
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Ever Saw a Flower-like Screw? The Japanese Have Made it

Helicodesign (Japan) designed a flower screw named "Fa—head", which utilizes the curve, contour and arc structures of a petal and applies the rules of the nature to create a unique head shape along with a function to suppress loosening and deformation incurred by fastening.

The screw design was conceived by president Yamamura of Helicodesign, but it was actually inspired by a three-year-old girl. Back in 2015, the three-year-old girl came by Yamamura who was designing a screw shape and said, "Daddy's screws are not cute! Flowers screws are cute!" His daughter's words motivated him to start digging into the possibility of producing flower screws. The cold rolling engineer drew hundreds of screw models with forgeability in his mind and finally arrived at the birth of "Fa—head" screw. "Fa—head" is still in the process of refining design and evolving, but its added value already precedes performance.



Japanese Torque Inc Launches Taisho Distribution Center

Located in Kujo, Osaka, Taisho Distribution Center is dubbed the industry's top advanced distribution center and the heart of Torque Inc. The Center is 3 stories high with a floor area 1.5 times larger. It has a 30-meter high automated warehouse containing 10,000 pallets, an automated warehouse containing 60,000 product bins, and an automated rack warehouse containing 400 pallets. The investment value is JPN 7 billion, the largest investment in Torque's history. The company hopes to revolutionize fastener logistics with efficiency and speed.



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BNEF: 77 Million EVs on the Road by 2025



Bloomberg New Energy Finance (BNEF) released the latest Electric Vehicle Outlook that states electric passenger cars sales will grow rapidly in the coming years, from 6.6 million vehicles in 2021 to 21 million in 2025. The fleet of EVs on the road will hit 77 million by 2025 and 229 million by 2030, up from 16 million EVs on the road at the end of 2021.

According to BNEF, developed countries and multilateral institutions should include electric vehicle investments, incentives and charging infrastructure deployments in their international climate finance plans, making capital available to emerging economies that have credible plans to develop this sector.

The fleet of passenger electric vehicles is set to hit 469 million units in 2035 in the Economic Transition Scenario but needs to jump to 612 million by the same date in the Net Zero Scenario. Much of the gap will have to be met in emerging economies, while wealthy countries should look at ways to support the transition in those markets and avoid a global slowdown of adoption.

Vossloh to Supply Rail Fastening Systems for High-Speed Line in Egypt



Vossloh, one of the world's leading providers of products and services related to rail infrastructure, has secured an economically and strategically

important contract to deliver rail fastening systems for a new high-speed line in northern Egypt. As commissioned by the end customer, state-owned company National Authority for Tunnels (NAT), the coastal city of El Alamein will be connected to the city of Ain Sokhna, which is located on the Suez Canal. A high-speed line is also planned between El Alamein and Mersa Matruh, which means that the planned double track line will be approximately 660 kilometers long. Delivery of the rail fastening systems by Vossloh is scheduled to begin already this year, with completion of the project expected in the course of 2024. The order, with a volume exceeding €40 million, will be carried out by subsidiary Vossloh Fastening Systems GmbH, which is headquartered in Werdohl.

Egypt plans additional massive investments in its rail network over the next few years, including in particular the establishment of a high-speed network which is to be expanded to over 1,800 km in the future. "The new rail line will be designed for speeds of up to 250 km/h. It will shorten the travel times of millions of people by up to 50 percent while producing more than 70 percent fewer carbon emissions than road traffic. We are delighted to be able to make a substantial contribution to this landmark project in this region," says Jan Furnivall, Executive Board member of Vossloh AG, adding: "Our extensive experience with the equipment of high-speed lines will allow us to create significant value for our customers."



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Main Products:

- ▶ Self-Clinching Studs, Nuts, Standoffs
- ▶ Rivet Bushes
- ▶ Welding Studs and Standoffs
- ▶ Brass Inserts for Plastics
- ▶ Cage Nuts
- ▶ Rivet Nuts
- ▶ Customized Parts via Cold Forging, CNC, Turned

Strengths:

- ✓ Producer in China
- ✓ IATF 16949 QMS certified
- ✓ PPAP package and IMDS for automotive industry
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- ✓ Full range for sheet metal fasteners and 200 million stocks





Tesla Locked on Seeking New EV Manufacturing Hub in Indonesia

(Source: livemint) From India to Indonesia, Elon Musk is scouting for sites to make more Teslas. With the world mired in supply chain chaos, access to materials matters most. He's got it right. After lobbying against India's tight manufacturing policies and prohibitive import duties, Musk went to meet Indonesia's President Joko Widodo and visited parts of the country, which is also the top producer of nickel, a key metal for batteries. That's an astute bet—for Tesla and Indonesia. And a missed opportunity for New Delhi. To meet ambitious electric vehicle (EV) targets, Indonesia has drawn in several battery and car makers in recent months with a variety of incentives.

With a friendly policy bolstering the country's EV goals, companies have started committing billions of dollars. LG Energy Solution, along with others, is investing about \$9 billion in a full supply chain in the country. With Hyundai, the firm is developing a battery plant, too. Meanwhile, the world's top powerpack maker Contemporary Amperex is investing almost \$6 billion in a battery project with state-backed Aneka Tambang and Industri Baterai Indonesia. Further up the value chain, China's Zhejiang Huayou Cobalt and Vale Indonesia announced they would work together on a nickel project.

The move by companies across the EV supply chain into Southeast Asia's largest economy shows how important it is to be close to a source of raw materials. Tesla knows this well. It has created large manufacturing hubs in China and Germany. Now the EV-maker is looking to secure materials and make its own batteries. Wherever Musk sees problems in production, he looks for a solution. Tesla is essentially creating discrete supply chains across the globe.

Just as China made Tesla a global company, Indonesia could do the same for its battery supply chain. All while making manufacturing more affordable and eventually, EVs, too. It's a means to an end—and a smart one at that.



Capri Fund Invests in Deepak Fasteners

Capri Stressed Assets Fund announced in June that it has recently made its first investment in Deepak Fasteners Limited headquartered in India, taking significant minority stake in the company. By capitalizing on its strong



Standard Products:

Hex head cap screw, Hex bolt, Plow bolt / Fish tail bolt, Rail-guard bolt, Flange bolt, Carriage bolt, Tower bolt, Machining bolt, Rod & Stud, U-bolt, Self-drilling screw, Tapping screw...

Customized Parts:

Manufacture parts according to samples or drawings, Cold Forged Parts, Stamped Parts, Hot Forged Parts, Machining Parts



Echo Fasteners

www.echofasteners.com

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> Product Range:

Diameter to 3 1/2" (90mm) Length to 120" (3,000mm)
Registered Head Marking: EF, 01XG

DIN, ISO, ANSI, SAE, ASME, GB, JIS, and customized parts...

Construction industry, Railway and transportation industry, Auto-part industry, Agriculture machine industry, Wind-power industry, Home furniture and equipment industry, and more...

Stainless steel, Carbon steel, Alloy steel, Bronze, Plastic, Aluminum, and more...

> Class & Grade Range:

Class 4.8, 6.8, 8.8, 10.9 and Class 12.9
Grade 2, Grade 5 and Grade 8, B7, A490, Case harden

> Surface Treatment:

Yellow Zinc plating, Zinc plating, HDG, Black, RoHS Yellow Zinc, Phosphate, Dacromet, Zinc-Nickel plating, Geomet, Nickel plating, Spray paint

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brand, market positioning, and distribution network, Deepak Fasteners targets to emerge as a major player in the industrial fasteners segment worldwide over the next few years and intends to come out with a public offering of its equity shares in the next few years.

“It is our belief that the company is at the cusp of emerging as a preferred fastener partner for the Indian industry driven by its strong world-renowned ‘Unbrako’ brand, excellent manufacturing capabilities and the unfolding India growth story. This investment underlines our philosophy of working with companies having strong and resilient business models, help them turnaround their business operations and evolve as a major player within their industry,” commented Rajesh Sharma, Founder of Capri Global Group.

SPIROL UK Achieves IATF 16949 Certification



SPIROL International Corporation, a global manufacturer of Engineered Fasteners, Shims and Installation Equipment, is pleased to announce that a fifth manufacturing facility, SPIROL Industries in the United Kingdom, has been certified to IATF 16949.

SPIROL Industries, located in Corby, Northamptonshire, UK, manufactures Coiled Pins, Slotted Pins and Compression Limiters for the automotive, agriculture / heavy equipment, alternative / green energy, industrial, medical and many other industries. Like all SPIROL manufacturing facilities, SPIROL UK develops their own precision tooling, and is equipped with in-house primary and secondary operations to bolster the organization’s extensive manufacturing footprint. The ability to service customers from sales, manufacturing, and distribution facilities strategically located around the world ensures that SPIROL’s customers receive the support and product they need - when they need it. This is especially important in today’s industrial climate given the volatility in the global supply chain. As stated by Simon Ward, the Managing Director of SPIROL UK, "Focusing on the long term support of our customers in gaining IATF certification is key to everyone’s success. The team’s contributions culminating in IATF accreditation for SPIROL’s UK site are testament to everyone’s drive and commitment supporting and living our quality vision in every action they take. The team’s efforts, both collectively and individually, that were required to not only gain IATF certification, but to sustain and support its values, are recognized and something I am proud of them all for." ▣



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.



ISO14001:2015
Environmental Management



ISO9001:2015
Production Certification

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