

# Suzhou Ruibo Machinery & Electronic Co., Ltd. Expands High Quality Stamped Parts & Washers to Japan, U.S. and the World

苏州瑞博机电 高品质冲压件与垫片拓销日本、美国与全球



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General Manager Matthew Zhou graduated and nurtured his expertise in stamping dies manufacturing from Harbin Institute of Technology (China). There, he was determined to study and produce highly efficient anti-loosening washers. In 2005, he founded Suzhou Ruibo Machinery & Electronic Co., Ltd. (below referred to as “Ruibo”) which focuses on the high-end market and integrates R&D, design, automated production and sales. The company has successfully supplied high-quality products to the railroads, automobiles, wind energy, photovoltaic, machinery and equipment, elevators, motors, power distribution equipment, electronics and other industries.

## Diverse Production and Sales Across Many Places Overseas



Ruibo's product lineup includes DIN25201 wedge lock washers, DIN6796 conical spring lock washers, NFE25511 conical contact lock washers, SN70093 toothed contact lock washers, DIN9250 double side knurl lock washers, and other non-standard stamped parts. These products are mainly available in carbon steel and stainless steel. The carbon steel materials include 65Mn, 51CRV4, SK5, 27MnCrB5, CK60, etc., and stainless steel materials include SUS304 and SUS316L.

The main outsourced processes are heat treatment and surface treatment. The types of surface treatment include Dacromet, Zincflake Coated, Geomet, blackening, electro-galvanizing, mechanical zinc plating, etc. They provide clients with professional and personalized service, and also customize stamped parts according to customers' samples or drawings to meet market demands for diverse production.

Over the past 20 years, they have expanded their manufacturing area to 4,500 square meters, accommodating 22 stamping lines, 4 CNC machines, 2 automated packaging machines, 1 eddy current sorting machine, 4 grinding machines, 2 EDM machines, and 3 WEDM machines. With an **annual capacity of 2,000 tons**, they have become a sizable manufacturer and exporter of lock washers and stamped parts. In addition to satisfying the domestic market, their products are exported to the America, Europe, Southeast Asia, the Middle East, etc., and have been well received by clients.

## Three in One: Quality Control, Smart ERP, Complete Logistics

**To strictly control production process and ensure stable product quality, the products are stamped and shaped with high-precision dies, and then heat-treated to make mechanical properties compliant to the National, German, and U.S. standards and international standards, and pass ISO 9001:2008 and IATF 16949:2016 certification.** Additionally, Ruibo set up an independent lab equipped with transverse vibration testers, computerized tensile testers, projectors, profilers, salt spray testers, Rockwell hardness testers, micro hardness testers, metallurgical microscope and other professional testing equipment. The quality department carries out strict production control in accordance with product standards and specific requirements from customers to ensure that product size, performance and quality meet the requirements before shipment.

Further, **Ruibo has established a complete logistics system by introducing ERP many years ago.** Using and running ERP allows the company to greatly reduce human errors and extend lead times, and it also fosters standardized warehouse operations to ensure accurate inventory quantities. Matthew observes that although there are still unknown challenges in the market environment this year, fastener demand is increasing year after year, so he has to continue developing new clients and new markets, and simultaneously secure the number of orders placed by existing customers.

With the aforementioned logistics system and improved product quality control, he is able to ensure providing his clients with high value-added products and fast service to help them become more competitive in the market. Looking ahead to 2024, he has a new goal in mind, which is to expand high-quality product sales to Japan and the U.S. and to focus on potential clients in the global market! □

