

Nickel-Based Vanguard — Jiangsu ZSA 镍基尖兵——中鲨精工「高温合金紧固件」 "High-Temperature Alloy Fastener"

Copyright owned by Fastener World / Article by Dean Tseng

Jiangsu ZSA Industry is a leading high-tech enterprise in China specializing in non-standard manufacturing. It is dedicated to the research, production, and sales of nickel-based high-temperature alloy fasteners, precision mechanical components, and petrochemical fittings. Its products serve industries including petrochemical, dyeing and textile, aerospace, nuclear power, marine shipping, and new energy sectors. With a comprehensive and scientific quality management system and ISO9001 quality certification, it has established a robust quality assurance that is highly trusted in the industry.

The factory covers over 9,000 square meters and is equipped with more than 60 sets of advanced machinery, including machining centers, CNC lathes, wire-cutting machines, forging machines, threading machines, tapping machines, as well as heat treatment and inspection equipment. Monthly production capacity stabilizes at 50,000 pieces, supporting a wide range of customization needs. Such formidable capacity not only improves delivery efficiency but also helps clients accelerate project advancements.

Comprehensive Supply of High-Strength Fasteners

The company leverages strong technical expertise to produce a diverse range of fasteners, from 12-point bolts and nuts, hex flange bolts and nuts, to all-metal lock nuts, internal star screws, and even custom non-standard parts made to drawings or samples. These products are used in stringent industrial environments such as petrochemical and aerospace sectors, where requirements for high and low temperature resistance, corrosion resistance, high strength, and fatigue endurance are extremely demanding.

Its INCONEL 718-grade 12-point bolts are especially notable, reaching strength grades of 12.9 and even 14.9, while maintaining excellent mechanical properties at ultra-low temperatures, used in oil extraction and aerospace applications. The recently launched 14.9-grade high-temperature alloy fasteners, along with internal and external hex bolts and self-locking products, demonstrate the company's deep mastery in processing mid-to-high grade materials.

International Market and Certification Expansion, Quality Recognized Worldwide

The company's main markets are the UK, Germany, and the USA, accounting for 35%, 15%, and 10% of sales respectively, fully proving its products' quality and technical standards meet high-end international market demands. It is actively applying for CE certification and has begun obtaining API certification for some products, strengthening its competitiveness and recognition in global markets.

It understands client needs, maintains intensive communication and feedback, and enforces strict quality inspection to ensure every product meets client expectations. It emphasizes full staff participation in quality control and continuously improves quality and client satisfaction through the adoption of new technologies and process optimization, maintaining a leading position in the industry.

Future Blueprint: R&D Innovation and International Brand Building

Looking ahead, it continues investing resources to strengthen R&D capabilities, expand advanced equipment introduction, and optimize product performance. It plans to continue expanding its product lines and focus on building its own brand "ZSA," moving decisively toward becoming an internationally recognized manufacturer of high-end fasteners. ■

Jiangsu ZSA Industry's contact: Jack Liu, General Manager
Email: admin@zbindustry.com

