



JUNGU

Suzhou Jungu Precision Mould New Plant— Intelligent Manufacturing Empowers High-End Mold Industry

As the cornerstone of fasteners, the quality and technical level of cold heading molds determine the reliability of finished products. Founded in 2014, Jungu boasts profound technical accumulation and forward-looking planning to present new benchmarks of China's high-end mold manufacturing globally via its newly-built intelligent factory. The company has been deeply involved in the industry for over 20 years. In its early stages, it focused on the repair and customized processing of standard cold heading molds in the Jiangsu and Zhejiang regions. Now, **with the establishment of a new factory, the company focuses on high-precision molds for automotive and aerospace applications, multi-station forming molds, and non-standard fastener solutions, extending to one-stop services for new product development and process optimization.**

Intelligent Factory Upgrade; Digitalization Drives Manufacturing Innovation

Located in the Chuangrui Technology Industrial Park in Taicang, Suzhou, the new facility spans roughly 10,000 sq.m., with six departments and roughly one hundred staff members on site, forming a complete system covering R&D, production and quality inspection. The workshop is equipped with over a hundred pieces of equipment, including five-axis CNC machining centers and high-precision Japanese grinding machines, as well as imported inspection equipment to ensure full-process accuracy and controllability. The plant turns out 120 precision mold components and 30 full mold sets per month, exporting to more than twenty countries and regions including Japan, South Korea, Europe, the US, and the Middle East.

This relocation marks an all-round upgrade of its manufacturing concepts. The previous one couldn't meet rapidly growing orders from the new energy and aerospace sectors, nor support the stringent requirements for constant temperature and dust-free environments in high-precision machining. Therefore, **the new factory is built per intelligent manufacturing standards: automated material handling systems enable unmanned transfers across processes; ERP and MES systems provide full traceability throughout production; and energy-saving equipment combined with metal chip recycling systems supports green manufacturing.**

The benefits are evident. The constant temperature, dust-free environment has improved dimensional stability of automotive bolt molds by 15%, reducing clients' product defects by nearly 10%. Automation and digitalization shorten production cycles by 20%, enabling the company to secure annual orders from many overseas aerospace clients. Energy consumption is cut by 18%, and inventory loss drops below 0.8%, boosting overall competitiveness.

Choose Jungu Molds for Stronger Cold Heading Performance

The company benchmarks against first-tier mold enterprises in Germany and Japan, and sets strict internal QC standards. Tolerances for aerospace molds are kept within ± 0.002 mm, automotive molds' service lifespan exceeds 800,000 cycles, and high-strength products surpass 1.5 million cycles. Every batch is subject to full metallographic, hardness and dimensional inspections. Relentless quality pursuit has made it a long-term partner to multiple Fortune 500 companies.

It also engages early in clients' product design stages, co-developing optimized cold heading solutions to reduce material waste and mitigate mass production risks. Non-standard product samples can be completed within 7 to 15 days in the fastest case. **After sales, it continues to provide mold modification and technical support, forming a full lifecycle service system—particularly suited for high-threshold industries like new energy and aerospace.**

Connecting Global High-End Markets; Opening A New Chapter of Global Expansion

Looking ahead, it aims to lift the proportion of overseas sales to 70% of total revenue, self-develop high-performance tungsten carbide materials to replace carbide raw materials, and build a digital demonstration factory to provide clients with cost-effective, high-quality, and high-precision customized mold solutions. Jungu uses the new factory as a core platform for global business expansion and takes solid steps toward high-end manufacturing and global development. ■

