

Diversified Industry Deployment & Smart Manufacturing Drive CTSP's Global Market Expansion

多產業佈局與智慧製造 帶動金泰興全球市場擴張

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The widespread application of lightweight materials in manufacturing and the rapid development of the global electric vehicle market have driven increased demand for threaded inserts. The expansion of 5G infrastructure and IoT technologies has also created new opportunities for high-precision threaded inserts in the electronics and telecommunications sectors. Market forecasts predict that the global threaded insert market will grow from USD 420 million in 2024 to USD 570 million in 2031, with a compound annual growth rate of 5.1%. Chin Tai Sing Precision Manufactory (CTSP) produces copper inserts and press-fit fasteners, leveraging superior technology and quality to expand into international markets across multiple industries, including automotive, aerospace, electronics, telecommunications, construction, and defense.

► Precision Manufacturing to Target High-End Technology Sectors

Over the past five years, the U.S. market has experienced political transitions and emerged from the pandemic, resulting in surging demand in the aerospace and defense sectors, which has fueled demand for CTSP's products. Utilizing its precision manufacturing capabilities, CTSP has quickly entered the market by collaborating with automotive and aerospace clients. European countries such as Germany, France, and the UK possess advanced automotive manufacturing technologies, and their strict environmental regulations and demand for green technology and high-performance automotive components present opportunities for the company. CTSP states: "We not only manufacture parts, but are also committed to solving increasingly complex engineering challenges for our clients." The company is implementing Industry 4.0 by integrating IoT and automation technologies, as well as incorporating AI and machine learning tools into its processes to establish demand forecasting and smart manufacturing, meeting the high-performance component requirements of European and American manufacturers.



► Supply Chain Advantages Propel Asia-Pacific Demand

The Asia-Pacific market is currently the fastest-growing region for threaded inserts. Strong demand for automotive and electronics in China, India, and Japan, combined with rapid urbanization and infrastructure expansion in emerging Asia-Pacific countries, is driving demand in construction and machinery applications. CTSP is leveraging geographic and supply chain advantages to support Asia-Pacific customers and accelerate growth in the region.

► OEM/ODM Strategy for Global Leadership

CTSP's product supply network covers both advanced and emerging countries worldwide. In addition to producing standard products, the company offers customized component designs and provides stainless steel, aluminum, and other materials, with a monthly production capacity exceeding 20 million pieces. Over more than 20 years, the company has become renowned for excellent quality and high yield, establishing stable global client relationships and earning high praise. Currently, it has obtained RoHS environmental certification, ISO 9001:2015, and IATF 16949 certifications, meeting client requirements for high-quality, low-pollution products.

The company is currently investing in new equipment and systems to expand its product lines and service scope, including OEM and ODM manufacturing capabilities. A dedicated quality control department conducts rigorous inspections during production to ensure product quality and consistency. These experiences, certifications, and technological investments give CTSP strong competitiveness among global peers. "In the fiercely competitive fastener market, we stand out through precision manufacturing and innovative thinking. As the global manufacturing industry increasingly values sustainability, performance, efficiency, and price competitiveness, our investments in advanced production and design tools lay a solid foundation for becoming the world's leading brand in threaded inserts," said CTSP. ■

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