

Premium aluminium solutions

Since its establishment in 2007, Ye Fong Aluminium Industrial Ltd has consistently provided high-quality aluminium alloy materials, including seamless aluminium tubes, aluminium bars, extrusions profile, aluminium plates and aluminium wire rod – all for various industries including automotive, military & defense, medical and aerospace.



A key factor in Ye Fong's ability to stand out from its competitors is its long-term focus on product quality and stability; its flexible product development capabilities; as well as its versatile product portfolio; which has enabled it to become a key supplier to aerospace fastener manufacturers – with customers relying on aluminium alloy materials in the form of straight bars or wire rod for their production needs.

In order to support the aerospace sector, Ye Fong's production process also strictly adheres to international standards. In addition to rigorous in-house quality control and assurance testing, the company also collaborates with globally certified laboratories to conduct third-party quality tests as specified by customers. Furthermore, in response to recent upgrades to its facilities, Ye Fong will soon launch larger-sized products and a more tailored product lineup to better meet customers' needs.

"We are the only aluminium alloy manufacturer in Asia with full-process capabilities for aerospace-grade aluminium plates, tubes, bars, and hot-rolled aluminium wire rods," underlines Ye Fong. Its aluminium hot rolled wire rod production capability includes all alloys, with a focus on high strength steel alloys, including 7075, 7050, 2024, 2011, 2014, 2117, 2017, 6061, 6056, 6082, 5056 and 5052, from 2mm – 30mm diameter for finished wire and 9.5mm – 32mm diameter for redraw rod.

"For years we have supplied premium aluminium alloy straight bars to high-end aerospace fastener manufacturers. However, in the fastener manufacturing process, using wire rod is more efficient compared to straight bars. Additionally, aerospace fastener manufacturing is governed by strict standards, requiring the use of hot-rolled production wire rod when employing coil materials. Globally, there is currently only one supplier capable of producing hot-rolled aluminium alloy wire rod suitable for high-end aerospace fasteners."

Ye Fong is NADCAP (Heat Treating & Non Destructive Testing), DNV, ABS accredited, as well as AS9100 certified. In addition, the company also has ISO 9001 and ISO 14001 certifications.

Recognising this gap in the market, Ye Fong used its decades of expertise in aluminium alloy manufacturing, and its commitment to ongoing research and development, to introduce the highly rare hot-rolled aluminium alloy wire rod to the market, offering high-end aerospace fastener manufacturers a superior and alternative material solution.

"Investment and innovation are the key factors that enable our company to maintain a leading position in the industry. They are also the primary reasons behind our outstanding reputation in the international aerospace aluminium alloy materials market today," states Ye Fong. "Another key factor in our success is our ability to offer 100% customised products and to assist customers in developing products within the shortest possible time. Based on the results of each trial sample, we can then adjust the mechanical properties of the aluminium wire rods, helping customers achieve mass production in the shortest timeframe."

Meeting sustainability needs

An area in which Ye Fong continues to invest resources is in sustainable development and has designated the topic as one of its key



mission objectives for the future. "When it comes to environmental conservation, carbon emission, and sustainable management, we have taken several key steps, such as using low-carbon raw materials in production; improving manufacturing processes to save energy; enhancing material strength; and reducing the use of aluminium alloy raw materials consumption," reports Ye Fong. "The global trend of carbon reduction and 'net zero' emissions, along with the EU's introduction of the Carbon Border Adjustment Mechanism (CBAM) regulation, has changed the global economic situation. Environmental awareness is increasing, and this will be a key issue that fastener manufacturers must face in the future. By offering help with this type of topic, we believe we can continue to support customers and grow our standing in the aluminium alloy fastener manufacturing supply chain."

Ye Fong currently collaborates globally with aluminium alloy fastener manufacturers, providing hot-rolled aluminium alloy wire rod and support where necessary. "As a proud Taiwanese business, and supplier of aluminium alloy materials for Taiwan's fastener industry, we believe we can also help Taiwanese fastener manufacturers move toward the industrial upgrade of high-value-added aluminium alloy fasteners," adds the company. "By working with us, customers around the world are able to secure resources for the rare hot-rolled aluminium wire rods, with quality approval from aerospace fastener manufacturers. We can also offer flexible production specifications, 100% customisation services, and competitive pricing. This complete package will help us to continue to grow our market share in the global supply chain of aluminium alloy wire rods, especially targeting the high-end aerospace and lightweight electric vehicle markets." +

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