

Construction Screws by Fong Prean

Solving the Real Pain Points in Fastening for Customers

With such a wide variety of construction screws available in the market, customers often face a time-consuming process when trying to find the right solution. Even after identifying a potential match, the product may still fail to meet the actual fastening requirements - offering quick installation but lacking sufficient holding power, or providing strong fastening strength while failing to meet the latest environmental standards. To solve this problem, it is important to choose the supplier carefully. Fong Prean Industrial, with nearly 4 decades of experience in developing customized construction fasteners, is specialized in solving customers' fastening problems. Under the efforts of the strong and experienced R&D team, in recent years, it has been assisting customers in Europe, the U.S., Japan, and other 25 countries to develop many creative and functional fastening solutions. The MS series, in particular, has repeatedly made a splash in many important international exhibitions.

Patented MS Wood Screws, Must-Haves for Those Valuing Efficiency and Safety



Fong Prean mainly produces stainless/carbon steel customized construction screws with sizes ranging from 9 to 400mm. Its monthly production capacity is up to 2,500 tons, with flexibility to meet specific customer requirements. The G2 drywall screw is engineered to significantly reduce cam-out and installation errors, ensuring a faster and more reliable fastening process. Another signature product line is the MS wood screw series, which is designed based on the hardness and structure of different wood and can be used without pre-drilling. Common problems found with conventional screws- such as edge splitting, burrs, and insufficient holding power- can be effectively resolved with this practical and efficient fastening solution.

“The MS series is particularly well-suited for composite materials, hardwood flooring and outdoor decking. The MS Twister, designed for wood-to-wood applications, MS Reamer for hardwood-to-wood, and MSword for hardwood-to-hardwood all require no pre-drilling, which significantly reduces installation steps and minimizes the risk of edge splitting. Their specially engineered head design ensures a flush finish with no surface burrs, and a variety of thread and point designs enhance holding strength, resulting in safer and more reliable fastening,” said Fong Prean Manager Chia-Ling Wu.

What's New- MS Sharp-Drill Point

In view of the fact that customers are paying more attention to “faster installation”, “less splitting”, “improved holding power” and “environmental protection and compatibility with new tools”, Fong Prean continues to develop products in cooperation with customers in order to gain a greater competitive edge. The recently launched MS Sharp-Drill Point Screw is designed for fastening MDF to wood, light gauge steel, aluminum and other substrates. Its uniquely engineered sharp drill tip allows for easy penetration into composite materials, while the MS head delivers a clean countersink without pre-drilling- achieving high fastening efficiency while minimizing the risk of cam-out and edge splitting in composite panels and interior finishing applications.

“With a highly integrated, agile and flexible custom development process- including independent in-house tooling design, product forming, heat treatment, and quality control- we are able to quickly transform customer ideas into production-ready, high-performance solutions,” said Wu.



ETA Certified. Realizing the Green Manufacturing Mission

From raw material to final shipment, Fong Prean's automated and modularized process follows the ISO 9001, ISO 14001, CE, ETA and other quality management certifications. Its data-based tracking system and regular annual internal audits and third-party inspections allow it to assure customers of consistently high product quality. As part of its commitment to sustainability, Fong Prean is actively promoting ISO 14064 GHG inventory implementation and has equipped its facilities with real-time energy monitoring systems. These efforts support green manufacturing through material reduction, energy optimization, and enhanced employee awareness—further aligning its production practices with global environmental goals.

“We live for solving problems.” More than just a motto, this statement reflects Fong Prean's core philosophy. In the face of rising raw material costs, unstable supply chains, CBAM regulations and U.S. tariff adjustments, Wu emphasized, “We will continue to support our customers with strong adaptability and product development capabilities—helping them stand out amid increasing ESG carbon-reduction requirements across Europe, the U.S., and beyond. Our goal is to collaborate with forward-thinking customers to design solutions that meet real market needs, maximize product value, and together lead the fastener industry into a new era of efficiency, innovation, and sustainability.” ■

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