

Creation by Two Design Experts, JIE LE Highly-efficient Multi-stroke Screw Forming Machine Unlocks Smart Manufacturing



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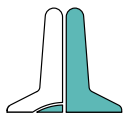
Double Production Capacity, Smart Manufacturing Unlocked

Furthermore, he increased production capacity of his forming machine to output twice as fast as conventional machines, thus saving manpower and space, and reducing parts wear. The ergonomic design of the machine makes it easy for operators to work without bending over and avoid occupational injuries. Even better, the machine connects to a cloud-based smart monitoring system allowing users to get real-time machine parameters on their smart phones, making the equipment smart and establishing a fast, low-cost machine network and visualized interface to improve market competitiveness.

Mr. Yen added that this machine integrates AI with automated manufacturing processes to achieve one-stop service. This new-generation product from the two new entrepreneurs features "high efficiency, stability, quality and competitive price", with innovative R&D and professional process integration. It integrates with unmanned vehicle system to meet customers' need for full plant automation and smart production, improves production efficiency, saves space, manpower and energy, and reduces carbon emission to help build a smart factory. It has attracted many Taiwanese major fastener companies and gained praises.

Going Global

Trends shift after the pandemic has waned and orders flock to Jie Le and boost the sales this year. Their brand shined at Taiwan International Fastener Show this May and they sold to major European and American fastener companies, still expecting to continue growth. Jie Le has built a reputation in Taiwan, and now through Fastener World Magazine, this newly developed machine will go global and shine! (<https://jieletech.com>) ■



A new blood in the industry founded in 2020, Jie Le Machinery grew within just 3 years against all odds despite the pandemic. The driving force behind this – Mr. Arne Chen and Mr. Shih-Chin Yen – teamed up and rolled out a new-generation highly-efficient multi-stroke screw forming machine. They adhere to “R&D, quality, and service first” and rise as a popular new star among major Taiwanese fastener companies and publicly listed companies.

After graduating from Southern Taiwan University of Science and Technology, Arne, the General Manager, worked in the machine manufacturing industry which Taiwan is renowned for and became a design expert of screw forming machines. Mr. Yen graduated from National United University and then Graduate School of Mechanical Engineering of National Pingtung University of Science and Technology, and he has worked in the screw machine industry for 15 years. They were classmates from the same generation. Arne is calm and reserved; Mr. Yen is passionate and knows a lot of faces. They fill up each other's gap, sharing the same aspiration, and decided to jointly create a highly-efficient screw forming machine. Their success epitomizes the Taiwanese new-generation manufacturing sector.

Patented Weight Distribution

Arne with exceptional design skills invented the “forming machine optimized with weight distribution” which acquired a patent in November 2020. This turn of event built a reputation for Jie Le in the fastener industry. Unlike conventional forming machines that tend to shake at high speed resulting in worn dies, his highly-efficient multi-stroke screw forming machine significantly reduces vibration from high-speed machine run, and maintains a perfect balance of power utilizing the weight distribution mechanism to ensure long service life and precision performance of dies and parts.

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