

The Must for Fastener Upgrade

Inspection Machines by U-June Meet Customers' Needs Better

Metal hardness and metallographic testing are very important parts in fastener manufacturing, so fastener manufacturers often need to use metallographic pre-processing equipment for quality control. However, most of the related equipment in Taiwan in the early days did not meet the needs of users, and the purchase price from abroad was relatively expensive. Therefore, U-June-Instrument was established 8 years ago. Based on the concept of "integrity, service and listening" and with its equipment featuring high quality and practicability, and perfect after-sales service, U-June helps customers create a perfect balance between equipment cost and actual users' needs.

U-June has always been proud of its ergonomic design. Its self-developed "cutting machines", "hot mounting machines", and "grinding & polishing machines" show many eye-catching features, allowing users to do more with less effort in actual operation.

◆Cutting Machines

With the "cutting guide by laser beam," it can assist users in cutting workpieces precisely to reduce time cost and waste of consumables on one hand, and can also avoid mis-cutting the fixture to cause the workpiece to be clamped loosely or skewed and need to be replaced on the other hand. In addition, the cutting guide by laser beam is installed outside the cutting room containing moisture or hazardous substances, which can prolong the service life of the cutting guide. For fasteners often needed to be cut and being smaller in size, the fast thread-type clamp can ensure that the workpiece is clamped without skewing, while maintaining processing efficiency, and is currently applying for a patent. The floor-standing circulating water tank inside the machine can be easily pulled out and put back by users. The lift-up cover of the cutting chamber also adds more convenience to the operation.

◆Hot Mounting Machines

Oil pressure and pneumatic types are available for choice, and the simple one-push button (integrating automatic heating, pressurization and cooling) makes the operation more convenient. The patented pneumatic model also has no oil leakage problem, and the volume generated during workpiece forming is also extremely low.

◆Grinding & Polishing Machines

The self-developed and innovative automated pressure adjustment is a patented mechanism adopting "fast turning positioning to apply pressure", which, compared to traditional ways, helps apply pressure in a more accurate and faster way. In addition, the patented design of embedded blocks won't fall off, and the detachable water tray and mobile cooling water valve also make cleaning easier and more convenient.

"Smoothness and scratch removal are very important for fastener inspection, which will involve whether the hardness, metallographic and coating thickness are correctly interpreted. As customers have higher requirements for fastener quality, the testing equipment must also reach a certain standard," noted U-June.

At the beginning of 2023, U-June's polishing machines have obtained the CE certification, and its other cutting and hot mounting machines will also follow suit. In addition, U-June also provides metallographic analysis software for decarburization depth, grain size, ductile iron nodularity, retained Austenite iron, etc. as well as Rockwell/Vickers hardness testing machines to make customers' fastener testing more perfect.

Expanding to Southeast Asia, Europe and the U.S.

In response to the fact that many Taiwanese investors have moved to Southeast Asian countries for development and the international situation in recent years, U-June actively develops business opportunities in these regions. On the other hand, it is also looking forward to entering the European and American markets in order to improve product equipment technology and create higher value-added products, and plans to participate in int'l exhibitions in Germany, Vietnam, Thailand and Japan to gain more overseas exposure.

"We are committed to fastener testing and believe that fasteners will be more diversified and quality will be improved in the future. We'll also listen to customer needs, improve equipment, hoping to create a win-win situation and assist in the improvement of Taiwan fastener industry."

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by *Gang Hao Chang, Vice Editor-in-Chief of Fastener World*

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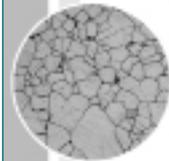
U-JUNE



Hot Mounting Machine



Grinding & Polishing Machine



Large Cutting Machine



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