

## Optimistic About the Experimental Factory's Success and Expanding Market Reach

Pro Power *anticipates that the experimental factory will show significant results in 3-5 years. At that time, on-site personnel will not need technical skills and can operate the factory simply by setting SOP parameters and using highly sophisticated equipment.* Production costs will be greatly reduced, and Pro Power will also have the opportunity to expand from DIY screws to more industrial fields such as automotive parts and aerospace.

President Chen stated: "If this trial is successful, the same model will be gradually implemented in other Pro Power production lines. This will not only significantly reduce manufacturing costs for products for the DIY market, but also for other high-end markets such as aerospace, allowing us to offer customers more competitive prices. Since its inception, Pro Power has always looked to successful large corporations as role models, and we continuously strive to improve in areas such as production line upgrades and providing employees with safe and comfortable working conditions and benefits. It's not that we want to be different; it's simply the way for a company to achieve sustainable survival." ■

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# “Spec” New Plant AI Upgrade, Patented Lock Washer Unlocks New Opportunities

## Fastener Taiwan Show Highlight: TEC-Washer



Booth no.  
**S1226**

Spec Products Corp. is to exhibit again at the upcoming Kaohsiung Show with a fresh look, with its booth set to be an eye-catching highlight. This Taiwanese company with 25 years of history goes beyond conventional screws to promote component solutions. *Last year, it was listed on the OTC stock market and entered the semiconductor equipment supply chain for major wafer foundries, driving innovative and diversified growth!*

Its booth will feature Taiwan's *one and only patented TEC-Washer. This washer brings innovative technology that transcends conventional friction-based locking, using precisely calculated large and small tooth angles so the washer's inner teeth exceed the thread angle. When the assembly begins to loosen, tension is generated to prevent screw rotation, achieving permanent anti-loosening.* This product promises to draw buyers from automotive fasteners and electronics assembly. Additionally, the company's new VMI inventory management service shortens lead times and cuts inventory costs for customers. Spec Products excels at customized products per drawings or samples, managing high-difficulty processes with one-stop services from product design and development to dies making, part design, and application testing. It embraces Industry 4.0, integrating electronic management and e-commerce platforms into manufacturing and operations. It prioritizes long-term relationships, partnering with hundreds of factories and innovative organizations to internalize new technologies.

Facing international buyers, its slogan is: "Profession / Service / Diversity!" It exports 25,000 specification types of fasteners annually, showcasing unmatched product variety and customization. This isn't just a calling—it's a promise: Choosing Spec Products means selecting a reliable partner to tackle global competition together.

## New Sinji Plant Ushers in Automation Era

Breaking news—*its new plant in Tainan's Sinji Industrial Park was launched last year, spanning 13,223 square meters of land with a 6,611 square-meter Phase 1 factory. The plant focuses on TEC-Washer assembly lines, including coating, assembly, baking, and laser marking;* it introduces large 6-die 6-punch forming machines, produces bent parts and U-bolts, and enhances packaging and inspection. Its exports reach worldwide, with capacity set for major expansion.

*Positioned for high-end automation, the new plant will soon introduce AI assistants, automated guided vehicles, and robots to boost energy savings and carbon reduction.* It's advancing automated packaging optical inspection lines and auto-assembly lines. The goals include higher in-house production rates and full-process automation, elevating unit prices and value in the traditional fastener industry!

The new plant is progressively adding equipment, with high staff morale and multi-skilled operators proficient in various machines. Spec Products states: "The fastener industry can only break through with elevated automation. Enhanced collaboration among peers will counter overseas low-price competition." This vision points to the future of Taiwan's fastener manufacturing.

Spec Products' transformation mirrors Taiwan's fastener industry. In the Industry 4.0 wave, it wields the TEC-Washer patent, combining VMI services, new plant automation, and balancing profession, service, and diversity. At the Kaohsiung Fastener Show, its booth will be a must-visit, showcasing Taiwan's innovation in precision manufacturing. Global buyers and local partners alike are welcome to keep a close eye on its bold leap into semiconductors and the AI wave! ■

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