

Vicomm Technology Launches Intelligent Screw Fastening System for Smart Manufacturing

Integrating robotics, machine vision, and real-time torque analytics, Vicomm's solution enhances precision, traceability, and efficiency in automated assembly.

TAIPEI, TAIPEI, TAIWAN, April 17, 2026 /EINPresswire.com/ -- [Vicomm Technology](#) Co., Ltd. today announced the launch of its [Intelligent Screw Fastening System](#), designed to improve precision, efficiency, and traceability in automated assembly.

The system integrates robotic automation, real-time torque control, and machine vision to ensure accurate and reliable fastening. Key process data—including torque curves, rotation angle, and fastening time—is captured and analyzed in real time, enabling immediate detection of issues such as insufficient torque or thread damage.

Combined with a multi-axis robotic arm, the solution supports flexible, high-speed multi-point fastening for both high-mix and mass production. Its modular design allows quick product changeover and easy integration into existing production lines.

Machine vision technology ensures precise alignment and positioning before fastening, while additional validation features help guarantee consistent assembly quality. All data is displayed through an intuitive interface, enabling full process traceability and supporting quality control and optimization.

“Manufacturers need solutions that deliver both efficiency and reliability,” said a spokesperson for Vicomm Technology. “Our system combines automation with real-time data to help customers achieve smarter and more consistent production.”



Intelligent Screw Fastening System
VICOMM「鎖螺絲機」
離合機構與扭力偵測傳感器結合

Vicomm Intelligent Screw Fastening System integrates robotics, torque sensing, and machine vision to deliver high-precision, automated assembly with real-time process monitoring

The solution is suitable for applications including consumer electronics, automotive modules, and industrial equipment. Vicomm Technology will continue advancing intelligent automation through AI and data-driven manufacturing solutions.

About Vicomm Technology Co., Ltd.

Vicomm Technology provides [smart manufacturing](#) and automation solutions focused on precision assembly, machine vision, and industrial data applications.

Ken Deng

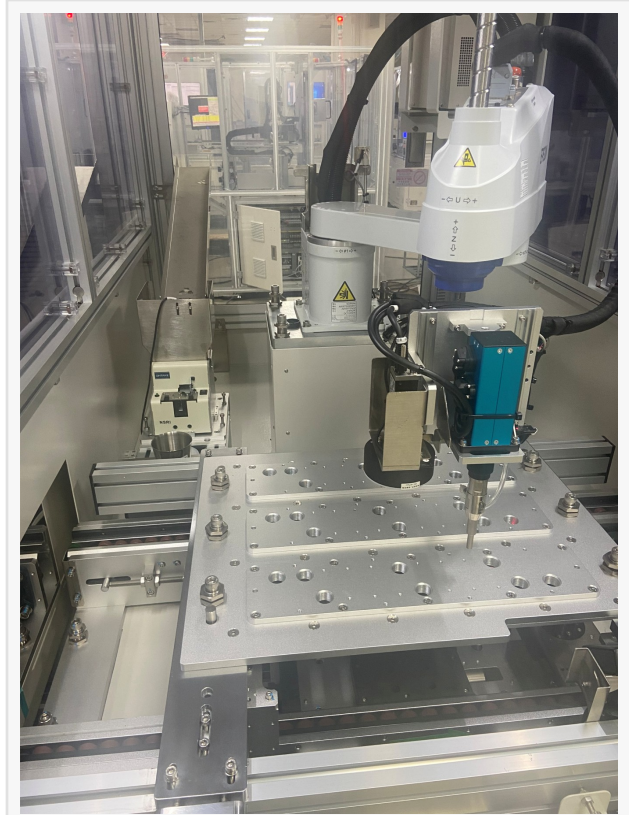
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Vicomm intelligent screw fastening system performs high-speed fastening tests on screws of various sizes and torque requirements, ensuring precision, consistency, and real-time torque monitoring in automated production environments

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