

New SH-Series Robotic & Automation Torque Control System by Mountz Inc.

High Performance Fastening System Reduces Labor Costs and Increases Productivity

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[/EINPresswire.com/](#) -- The [SH-Series](#) is a new automation torque control system engineered for high precision accuracy and repeatable torque control. The high performance robotic fastening system by Mountz allows manufacturers to optimize the assembly area, reduce labor costs and increase productivity.

The SH-Series delivers cost savings and quality benefits through useful features such as digital adjustable torque setting, variable torque and speed control, multiple I/O options for integration with PLC and other line control techniques. A Windows based software package that can customize each fastening applications is included with the product. The torque control system features built-in error proofing data and screw counter. Multiple fastening strategies can be implemented for sensitive or of difficult assembly joints. The SH-Series tool increases productivity as one tool can be programmed to do the job of multiple conventional power tools, saving time, maintenance cost, space and training.

The [SH-Series robotic system](#) features a

programmable digital torque control with memory for 8 preset torque settings. The [robotic screwdrivers](#) are built with an AC servo motor system. The torque is controlled by the motor's current, which provides precision torque control. Built for both critical low and high torque fastening applications, Mountz offers various automation models that range from 0.43 - 564.2 inch-pounds. The controller of the SH-Series includes a built-in screw counter, which prevents screw-fastening errors and detects cross threading, omissions, unfinished rundowns and cycle incompletes.

The objective of the screw counting process is to ensure that all fasteners are accounted for during the assembly process. Further a fastening error is identified on the assembly line, the more it costs in rework time and expenses. If a fastening error is committed and detected during the assembly process, the operator can correct it or prevent the faulty product from moving along the manufacturing line or being shipped out to a customer. Making a safer world through accuracy and precision is the core purpose of Mountz, Inc.

The SH-Series is a revolutionary step with screw fastening technology. The robotic system is



The robotic system is engineered for automation applications and provides a manufacturer with a rapid, reliable and precise method of fastening screws.

engineered for automation applications and provides a manufacturer with a rapid, reliable and precise method of fastening screws. Today's fastening process is about providing quality torque control for manufacturers with a greater ability to achieve repeatable performance, optimize production and remain cost competitive. The Mountz automation tool system improves productivity and efficiency with six key essential manufacturing benefits:

1. Reduces the production cycle.
2. Production flexibility and rapid reconfiguration for new production projects.
3. Provides a consistent repeatable process control and eliminates potential variations.
4. Integration control and data exchange.
5. Optimum asset utilization. Tooling expense delivers favorable return of investment.
6. Maintenance and repair are easy and low cost.

Refining the assembly method and implementing automation equipment is significant opportunity for manufactures to improve their production process. The new SH-Series torque and automation control system will improve the fastening process and reduce manufacturing costs.

Using a quality robotic torque control system makes a safer world through accuracy and precision. Measuring torque is essential for companies to ensure their product's quality, safety and reliability isn't compromised. The failure of a three-cent fastener that isn't properly tightened can lead to catastrophic or latent failures. Fasteners that are insufficiently fastened can vibrate loose and excessive torque can strip threaded fasteners.

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