New MD-Series DC Torque Control System by Mountz Inc.

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Engineered for Precision Accuracy and Repeatable Torque Control

SAN JOSE, CA, USA, April 19, 2017 /EINPresswire.com/ -- Mountz, Inc. introduces a new DC torque control system to its assembly power tool product offering. The MD-Series is a durable torque and automation control system engineered for precision accuracy and repeatable torque control. The high performance fastening system allows manufacturers to optimize the assembly area, reduce labor costs, enhance quality and increase productivity.

Whether you are manufacturing life-saving medical instruments, safety-critical vehicle parts or delicate small electronic components, the innovative Mountz torque control system provides repeatability, traceability and an error proofing process. The MD-Series tool allows for easy integration into an existing assembly line and flexibility for rapid reconfiguration when implementing new manufacturing projects.

A Windows based software package that can customize each fastening application is included with the product. Multiple fastening strategies can be implemented for sensitive or difficult assembly joints. The flexible assembly system can easily adjust for different joint designs and variable tolerances. The software enables plant-wide real-time assembly monitoring including data capture and trace analysis. The MD-Series tool increases productivity as one tool can be programmed to do the job of multiple conventional tools, saving time, maintenance cost, space and training.

The MD-Series tool features a programmable digital torque setting with memory for 15 preset torque values. The electric screwdrivers feature the Swiss Maxon DC servo motor technology and is engineered for high production environments. Built for critical tightening applications, Mountz offers various hand held and robotic models that range from 0.08 to 434 inch-pounds. The assembly tool 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.

The DC torque control system includes a built-in screw counter, which prevents screw-fastening errors and detects cross threading, omissions, unfinished rundowns and cycle incompletes. The goal 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 manufacturing process, the operator can correct it or prevent the faulty product from moving along the assembly line or being shipped out to a customer. Making a safer world through accuracy and precision is the core purpose of Mountz, Inc.

Screwdrivers with a brushless servo motor have an extremely long operating life and provide consistent reliable performance. The screwdriver requires less maintenance with no need for replacement of expendable parts (carbon brushes, rotor, switches and other contact points). Heat generated by the motor is reduced and the screwdriver performance is always at the maximum level. With almost no expendable parts and simple design, the brushless screwdriver life cycle is extended and it maintains a clean working environment.

Collecting torque data is one of the best methods to optimize the assembly process. The TPM (Torque Process Monitoring) touch screen is optional accessory for the MD-Series that delivers a simple way to record and monitor the fastening process. The tool is designed to display torque information in real-time and provide the engineer with the ability to record and analyze torque data. The TPM gives the user a complete graphical display and the ability to easily export data.

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