

New HF-Series Brushless Electric Screwdrivers by Mountz, Inc.

These Power Tools Ensure Quality and Reduce Overall Assembly failures

SAN JOSE, CA, USA, August 28, 2013 /EINPresswire.com/ -- Mountz, Inc. introduces the E-DRIV HF-Series, a new line of brushless electric torque screwdrivers that provide a high torque range capacity. These power tools ensure quality and reduce overall assembly failures. The [brushless electric screwdriver](#) is built for precision torque control. Designed for high production environments, the HF-Series tools feature a high performance Swiss Maxon brushless motor design, which reduces the standard maintenance costs for [electric screwdrivers](#).

The assembly tools feature a built-in adjustable speed control, which allows an operator the ability to adjust the RPM directly on the tool. Mountz also offers a selectable Soft Start mode with the HF-Series electric screwdrivers. The "Soft Start" mode is for applications that require the power tool to slowly ramp-up to its operating speed, perfect for plastic or sensitive assembly applications. There are 3 different time settings for the Soft Start mode, which are (0.2, 0.4 & 0.6 seconds).

Screwdrivers with brushless motors have an extremely long operating life with no need for regular maintenance or replacement of expendable parts (carbon brushes, rotor, switches and other contact points). Heat generated by the motor is reduced and screwdriver performance is always at the maximum level resulting in reliable product quality. The [brushless screwdriver](#) ensures product quality, cost savings and a reduction in overall failures.

With almost no expendable parts and simple design, the brushless screwdriver life cycle is extended and maintains a clean working environment. The screwdriver requires less maintenance and part replacement and provides consistently reliable performance.

In addition to lower maintenance costs, the HF screwdriver is ESD certified, ensuring less than 1 Ohm at the bit tip. ESD management in power tools ensures product quality, cost savings and a reduction in overall ESD failures. Manufacturing engineers involved with microelectronic products are aware of the importance of controlling Electrostatic Discharge (ESD) failures. Lapses in preventing the occurrence of electrostatic discharge can affect production yields, manufacturing costs, product quality, product reliability, reputation and profitability.

Static damage to electronic components can be realized as catastrophic or latent failures.

Catastrophic failures are easier to detect and resolve. With this type of failure the part is “dead” and will not function. It may be costly to repair but is easy to manage. With latent failures the problem is much worse as the failure may not be detected in testing but is a “time bomb” waiting to happen. Since this product will get into the field and cause intermittent problems or failure in the field, it can be a much more costly problem.

The HF-Series features an Over Heat Protection (OHP) and Over Current Protection (OCP) that protects the electric screwdriver from damage or malfunction. The temperature detection powers down the unit and resets automatically when unit restores to acceptable levels. The HF-Series is designed with a LED display that signals the tool's status for the operator to clearly view.

The HF screwdriver models are available in “Push-to-Start” or “Lever-Start” configuration with various models covering a torque range of 17.4 - 87 inch-pounds. The power tool can be connected with the Scout screw counter. Complex fastening regimes with multiple screws and high-speed production can lead to missed screws and compromised quality. A screw counter helps manufacturers detect and eliminate costly screw-fastening errors during the assembly process.

Using a quality brushless electric screwdriver makes a safer world through accuracy and precision. Controlling 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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