

Atlas Copco



Did you know -
MicroTorque

Did you know - MicroTorque

The digitalization of manufacturing and assembly means shifting the way we look at manufacturing in terms of production optimization and automation amid industry 4.0. Data and information drive production, enabling higher quality during assembly. Having smart tools on the line like MicroTorque tools that can track the tightening data of operators, means you will stay informed on tightening quality and alerted of potential failures or inconsistencies during the production process. This creates a proactive approach to manufacturing that was never achievable before.

Below you will find more information on Atlas Copco's MicroTorque tools and what they have to offer!



1 High-level accuracy

Current controlled MicroTorque tools feature a 7.5% tolerance for a scatter of results, while transducerized models offer increased accuracy with a 5% tolerance. All MT tools are available in handheld and fixtured configurations to meet specific application needs for higher-level flexibility. MT tools offer a torque range between 1.2 cNm and 250 cNm and are often used in the production of small electronics and medical equipment.

2 Advanced tightening strategies

Manage defects with advanced tightening strategies. MT multistep tightening strategies allow up to 10 customizable steps with only a single trigger pull. Thread engagement aligns the screw threads and prevents cross-threading while the angle step speeds up the process from thread engagement and seating point. Once the seating point is met, the target torque step focuses on the target torque. Another great feature is the torque seating monitoring, which combines the traditional torque strategy with the innovative seating control strategy to secure both the final torque and clamp torque at the same time, ensuring a precise final torque.

3 No additional software cost

ToolsTalk MT is included with our MT system and is required to configure, program, and analyze results with the MicroTorque system. ToolsTalk MT also offers users additional support through troubleshooting and a start-up guide.



4 MicroTorque tools support Smart Vacuum technology

Smart vacuum pump technology automatically adjusts the necessary pressure for screw pick-up. With configurable screw alignment parameters, operators will be alerted to misaligned screws. Our latest and most advanced handheld model, the ETD MT, has the vacuum line integrated into its handle.

5 Shares many of the traits common to the Power Focus controller platform

MicroTorque can be configured to complete batch counts, allowing wider application capabilities and supporting various barcode scanners, enabling configuration for multiple identifiers. ToolsTalk MT allows traces and results to be easily stored and analyzed using the software. Additionally, ToolsNet 8 software is supported by MicroTorque, allowing traceability for error proofing and analysis to improve productivity.

Check out the latest MicroTorque Brochure with part numbers [here](#).



Atlas Copco Tools and Assembly Systems

Version date: April 2022
atlascopco.com