



FOD Compliant Digital Torque Wrenches

Precise, safe and debris-free fastening for the aerospace industry.

Our series of digital torque wrenches, including the WrenchStar Multi and IQWrench3, were designed and built with the aerospace industry in mind.

Both wrench models were engineered for full FOD compliance, to eliminate the risk of fastenings becoming loose debris that could cause damage in aerospace assembly or maintenance environments.

All of our wrenches offer the added benefits of point-of-load insensitivity, ergonomic design plus the inclusion of automatic length compensation for our wide range of interchangeable wrench ID heads meaning less wrenches can cover more applications.

The WrenchStar Multi is ideal for applications that require torque and angle data digitally recording and a reliable, versatile and robust torque wrench. It works in combination with our range of data collectors or lineside controllers for quality control or assembly solutions.

The IQWrench3 combines the precision torque and angle measurement capabilities of an advanced torque wrench, along with the storage and reliability of a robust data collector, for one powerful integrated solution.

Key Features

- Available in ranges from 10Nm up to 1500Nm
- 360° light ring for colour status of the readings
- Vibration alert for additional feedback
- Quick-change batteries for extended shift use
- Interchangeable adapter heads and 'Auto-ID' for auto length compensation and multiple job use
- FOD (Foreign Object Debris) Compliant for use in the Aerospace and automotive industries
- Point-of-load 'insensitive' - torque can be applied from any position on handle of the wrench
- The IQWrench3 includes an illuminated LED flashlight for increased visibility in darker or poorly-lit spaces
- Shorter-shaft variations of both wrenches are also available up to 50Nm for applications in confined or enclosed spaces

FOD Compliance

The WrenchStar Multi and IQWrench3 are designed to be completely FOD compliant with zero visible screws on the wrenches, meaning there is no risk of debris falling or becoming loose from the wrench during use.

FOD compliance is absolutely critical to prevent contaminating production areas where key components, such as jet engines and fuel systems are assembled.

Point-of-Load Insensitivity

Operators can rest assured of the correct torque measurements being taken due to point-of-load insensitivity. Torque can be applied from any position on the handle or to the right of the display on the wrench.

Our innovative twin-gauge technology makes our wrenches ideal for tightening in limited access locations, often found in within aerospace assembly.

Ergonomic Design

The WrenchStar Multi and IQWrench3 are among the shortest intelligent digital torque wrenches in their class, making them much easier for the user to operate.

The lightweight construction and ergonomic grip designs make them ideal for use in testing environments, while the simple cradle system allow for quick selection, replacement and charging.

Confined or Enclosed Spaces

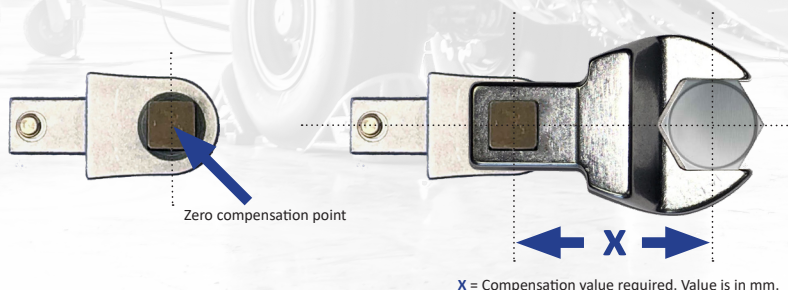
Many aerospace assembly and quality control applications are often undertaken in restricted spaces. The shorter-shaft versions of our WrenchStar Multi and IQWrench3 wrenches allow operators to tighten or audit fasteners in confined or enclosed spaces, where access with a standard sized torque wrench is not possible or problematic.

The IQWrench3's useful shaft flashlight also improves visibility in darker areas of assembly.

Wrench 'Auto-ID' Head System

All of our digital torque wrenches can be supplied with a selection of quick release interchangeable heads and the innovative Crane 'Auto-ID' system allows the torque wrench to automatically compensate for the critical length between the wrench and the fastener.

This ultimately makes it quick and easy to switch between multiple jobs with the same wrench, meaning less wrenches are cluttering up the workspace.



For pricing, availability or further technical information about our digital torque wrenches, please contact us online at www.crane-electronics.com or alternatively, email us at sales@crane-electronics.com.



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