

## Providing a torque tooling solution for suppliers to the Aerospace Industry.

Torque tightening solutions for the manufacture of critical components for the Aerospace manufacturing industry.

In the aerospace industry, where precision manufacturing and assurance of the highest possible quality is paramount, the requirement for accurate torque measurement is critical.

Crane Electronics offer a series of torque measurement and management tools and systems for the assessment of the manufacturing and assembly processes, with regards to torque application on joints and fasteners.

In the aerospace industry, our torque equipment is utilised during the production of aircraft and of critical components such as engines, wings and fuselages. Members of Production, Quality and Engineering teams need to deliver accurate measurements and traceable control of assembly data, and our solutions are able to provide a one-stop shop for this very process.

When one of the world's largest suppliers of technologically-advanced aerospace and defence components needed a torque solution, they turned to the experts, Crane Electronics.

The supplier needed a solution to refine, improve and safeguard the final quality of their components, eliminating the potential for any future quality issues for their own customers. They wanted to implement a solution that would help deliver complete peace of mind; that components leaving their facility were of the highest possible standard.

In particular, for specific jet engine ancillary components, the clients' end-users wanted to ensure that all critical joints and fasteners were perfectly secure, and that the relevant assembly torque data was recorded. In order to put this process in place, Crane worked with the client to devise a solution, which was to incorporate an accurate torque tightening tool, with the added capability of recording and logging all of the required torque and Crane Electronics demonstrated the proven IQWrench2 digital torque wrench. The wrench, utilised in hundreds of assembly applications

**Customer:** One of the world's largest suppliers of critical components for the aerospace industry, based in the UK.

**The Challenge:** To provide an accurate and reliable torque tightening tool to fasten and secure critical parts and components, whilst also providing complete traceability.

**Crane Products:** Implementing a series of IQWrench2 digital torque wrenches; a torque tightening tool with added data collection capabilities for assembly process and quality auditing applications.



Our torque measurement solutions are utilised across the aerospace industry in a number of critical applications including the manufacture of jet engines.

worldwide, not only had the high-performance torque wrench capabilities required, but it also had an integrated data collection function.

The multi-function of the IQWrench2 made it an ideal low-volume production tool, with the ability to record and store their vital assembly data with ease, packaged into one easy-to-use wrench.

The IQWrench2 provided the required solution for the clients' assembly quality process and ultimately gave their end users added satisfaction as they knew they would be receiving high quality components which had been accurately tightened.

Following a successful trial, Crane Electronics supplied a number of IQWrench2 digital torque wrenches to the customer, which are now heavily relied on for the assembly of a variety of the client's critical aerospace components.

Ian Brown, Sales Manager at Crane Electronics Ltd, comments:

"We have been providing torque management solutions for over 45 years and we are specialists in delivering torque tightening expertise within the Aerospace Industry.

We know the importance of accurate and efficient torque tightening for the Production and Quality environments, especially within the aerospace manufacturing industry where quality is not just expected, but is vital at every stage.

We feel comfortable that we can provide customers across the market with a complete torque management solution that can help to solve issues, improve their assembly process, and guarantee peace of mind and high quality for their customers and end users."

In such a high-quality industry that demands unparalleled safety, there is a greater need for the complete control of torque. Crane Electronics plays a crucial role in the industry in assembly tool testing, auditing the assembly process capability and final assembly quality verification.

**For more information about how we can provide a solution for your business, please contact us online at [www.crane-electronics.com](http://www.crane-electronics.com) or alternatively, email us at [sales@crane-electronics.com](mailto:sales@crane-electronics.com).**



The IQWrench2 combines all of the features of a high specification digital torque wrench with a torque data collector system in one ergonomic, versatile and incredibly powerful package.



#### Locations

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