

Introducing a time-efficient and portable tool testing solution for global automotive leader Stellantis.

Helping the customer to improve the speed, accuracy and efficiency of their assembly tool testing and auditing process.

When one of the world's leading automotive manufacturers, Stellantis, needed a tool-checking solution for their manufacturing plant based in the UK, they came to our experts at Crane Electronics Ltd for advice.

The multinational automotive manufacturing business, which operates in over 30 countries needed support for their Luton-based plant, which manufactures commercial van models for well-known brands including Vauxhall.

Their production engineering team have recently switched their testing process to include weekly tool checks. The team highlighted that they required a more time-efficient process which still made the priority to deliver the highest quality, affordable and safe products for their customers.

Our experts at Crane used their torque management and control experience to provide a tailored solution to the team at Stellantis. We provided our MTTs (mobile torque testing station) trolley. This included our TorqueStar data collector connected up to a series of joint kits and a range of innovative CheckStar Multi rotary torque transducers. The solution would allow for high precision and accurate torque and angle measurement of all continuous drive and impulse tools.

This solution was combined with our OMS (Opta Management System) torque software package. This created a simple process for recording and storing regular tool testing data, allowing the customer to view a detailed history of each tool's auditing record as well as the ability to create and download reports.

The introduction of Crane's innovative software and products was a substantial improvement to their previously manual tool and quality auditing process with the mobile torque testing station allowing greater traceability of tool calibrations with minimal downtime. This new process is not just time-efficient but creates peace of mind for the management at Stellantis

Customer: A leading global automotive manufacturer, Stellantis holds an impressive portfolio of automotive brands, offering passenger cars and commercial vehicles.

The Challenge: To provide an efficient process for implementing regular tool checks to ensure quality and safety within the assembly process.

Crane Products: Introduced a portable tool testing solution (MTTS) that their production engineers can use across multiple shift patterns, creating an efficient way to carry out checks.



Stellantis is a leading global automotive manufacturer with an impressive portfolio of vehicle brands.

as they know all assembly tools are delivering the required torque tightening levels and accurate assembly performance to create high-quality and safe products for their customers.

John Jones, UK Sales Manager at Crane Electronics, commented:

“Here at Crane Electronics, we have extensive knowledge and expertise across our business, especially within the automotive industry and we’re committed to offering great solutions and support for our customers.

We were delighted to create a great working relationship with Stellantis, working closely with their teams to be able to provide improvements to their tool auditing process. We look forward to supporting them with future projects.”

With over 50 years of experience providing bespoke torque management and control solutions, Crane Electronics can play a crucial role in improving assembly tool testing procedures, as well as verifying the assembly process and final assembly quality.

For more information about how we can provide a solution for your business, please contact us online at www.crane-electronics.com or alternatively, email us at sales@crane-electronics.com.



An example setup of the MTTs (Mobile Torque Testing Station) that combines transducers, joint kits, data collectors and our OMS torque software to provide a complete, portable line-side tool testing station.



Locations

UK - Watling Drive, Hinckley, Leicestershire LE10 3EY, UK

USA - 1260 11th Street West, Milan, Illinois 61264, USA

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