# OMS Lite
Torque Management Software

crane

OMS Lite is our NEW and intuitive torque management software package, in a more compact and easy-to-use format. OMS Lite offers a new and updated interface, following our recognisable and user-friendly icon-based navigation system for faster speed of use, ideal for production process and quality verification as well as assembly tool auditing.

OMS Lite is also quick and easy to install and simple to configure for users, making it our most efficient and uncomplicated torque software package to date. Used in conjunction with Crane's existing portfolio of torque measurement products, OMS Lite is able to provide the perfect quality system for periodic sampling of both residual and dynamic torque and angle measurements.
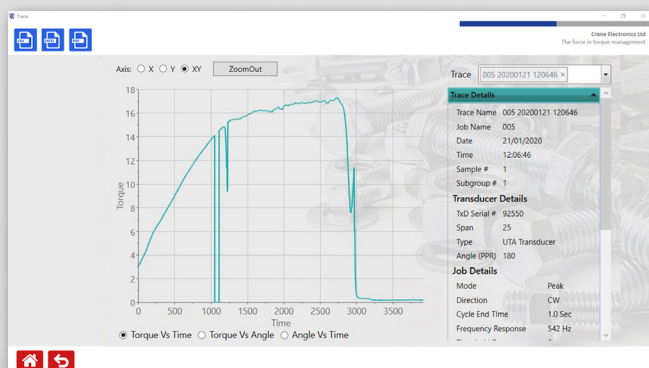
With features such as 'Jobs', 'Rounds', torque traces and reports, it's the ideal software system to manage all of your critical assembly tool and quality audit data, in one place.
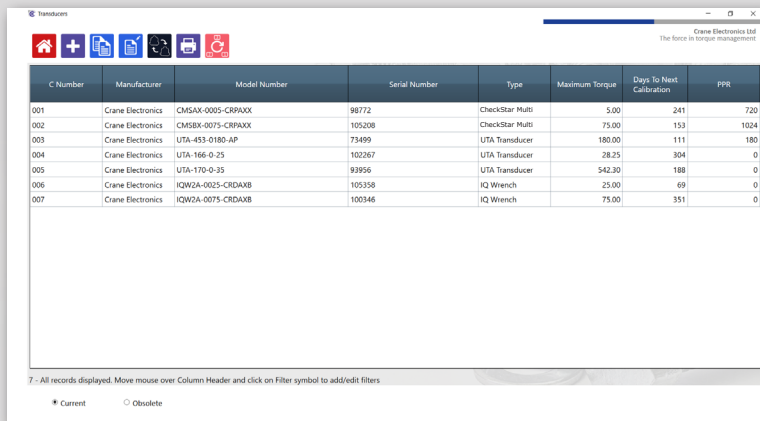
With colour-coded data results and graphs, OMS Lite makes it simple to view and understand critical data. All visible data and reports can be filtered and configured to show only the required information for all reports, which can be downloaded to Excel or PDF at the click of a button.
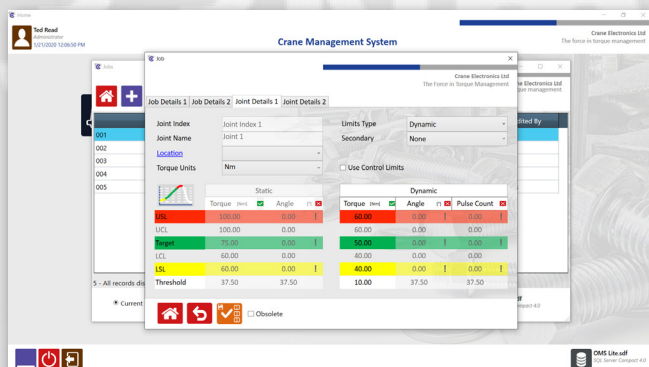
Key features

✓ Single database to store all torque information from all departments

✓ All data is completely traceable and secure

✓ Configurable by user profile

✓ User-friendly operation with intuitive icons for mouse or touch screen functionality

✓ Management of all audit tooling – transducers, wrenches and data collectors/readouts

✓ SQL Compact database with the ability to use full SQL features on a server if required

✓ Selection of Excel reports with graphs come as standard. Bespoke reports are available upon request, designed by Crane Electronics

✓ Trace functionality available as standard with the ability to overlay multiple torque curves
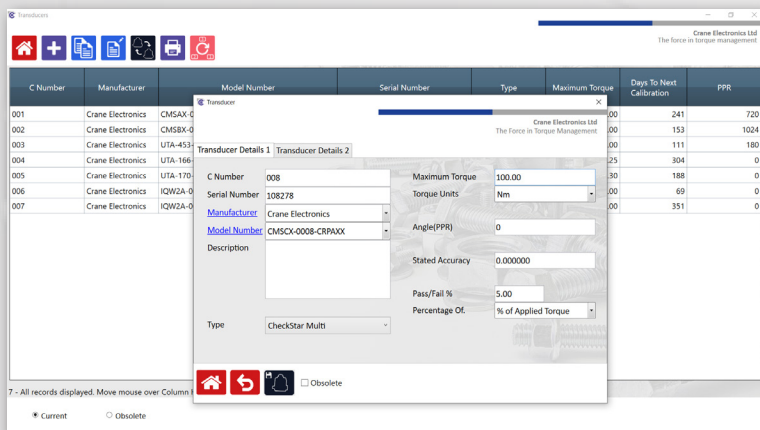
Transducers

All of your compatible torque transducers, digital torque wrenches, readouts and data collectors can be loaded and stored in your OMS Lite database, giving you quick and easy access to the right torque measurement tool for each and every required application.

Individual transducers and tools can be allocated to specific 'Jobs' making it easy for the operator to understand which equipment is required for each specific torque auditing task, during use.

OMS Lite includes all USB drivers for Crane wrenches, data collectors and transducers, supporting USB connection as well as standard RS232 and web services connections. The comm port is discovered automatically when connected.

Transducer 'Swap'

The transducer swap option is a new function that allows the user to swap the required transducer chosen for a selected 'Job' for other compatible transducers or tools that can also perform this task.

This is ideal if certain transducers are unavailable, if they are either in use by another operator or in their scheduled calibration or service period.
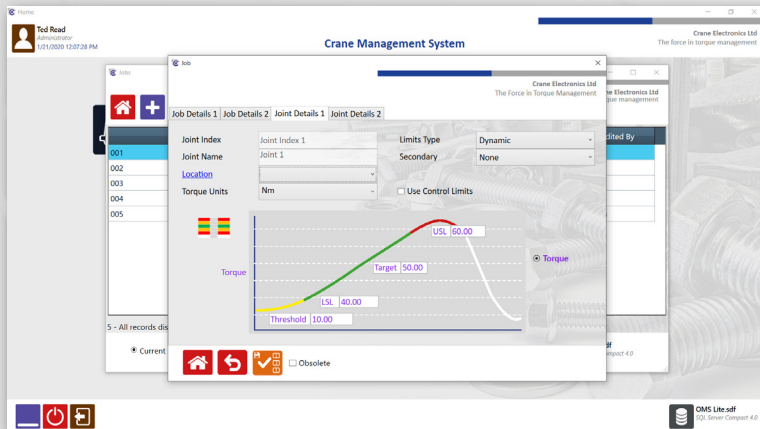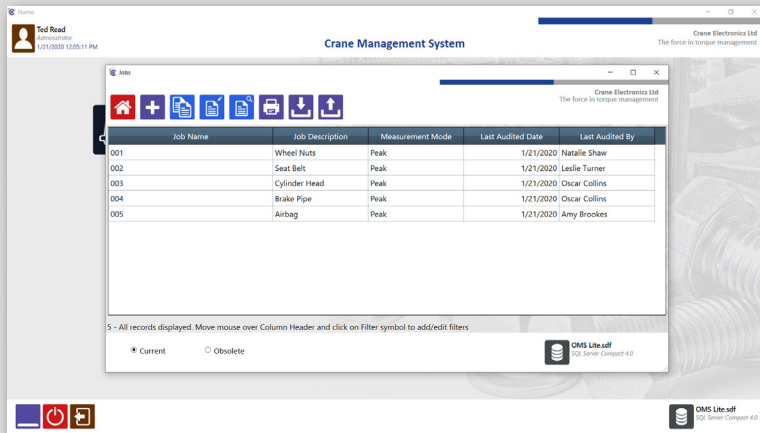
Jobs & Data Capture

Users can quickly and easily define a series of 'Jobs' in OMS Lite with definable Job Id's, descriptions, measurement modes, target torque limits and angle specifications.
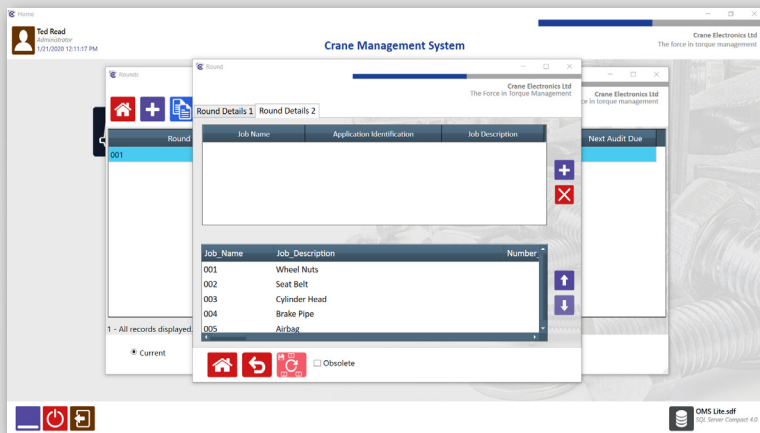
The list of pre-set 'Jobs' can be downloaded quickly and easily on to compatible Crane Electronics equipment such as IQWrench torque wrenches or the TorqueStar Pro data collector.

Once completed, all 'Job' data can then be uploaded on to OMS Lite to be viewed, analysed or transferred into a report, with all readings marked as **OK** (within range of target torque specification), **HI** (above the upper torque limit) or **LO** (below the target torque limit).

Job readings are also colour-coded allowing the user to highlight any measurements that did not meet the required torque specifications for that particular 'Job'.

Rounds

OMS Lite allows the user to create 'Rounds' by collating a series of 'Jobs' into an ordered process, allowing the operator to quickly and easily follow an assembly or auditing process.

The Rounds can be created in OMS Lite and transferred to the compatible torque wrenches, readouts or data collectors.

For added ease we have introduced a multi drag-and-drop function for adding a series of 'Jobs' to a Round simultaneously.
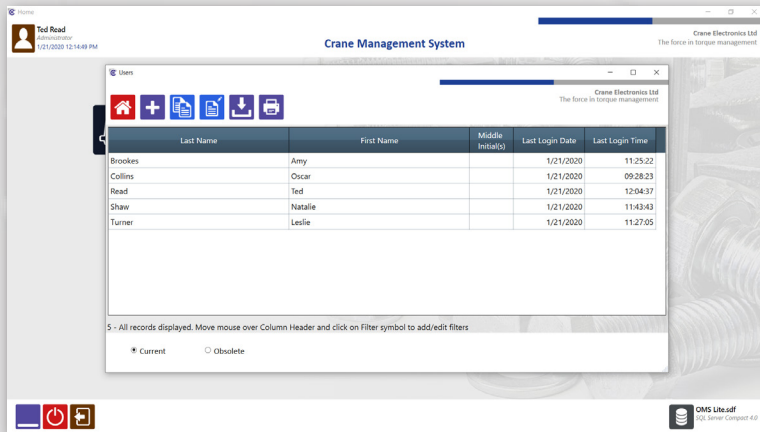
Users

OMS Lite has simplified the process for user management, making it easier to manage how operators can utilise the torque software program.

Multiple users can log in with ease and facility administrators can manage the workforce permissions with advanced access management.

OMS Lite allows administrators to define and tweak the rights of an individual user with access options to switch transducers, editing Jobs and Rounds and their overall usage and performance can be tracked within OMS Lite.
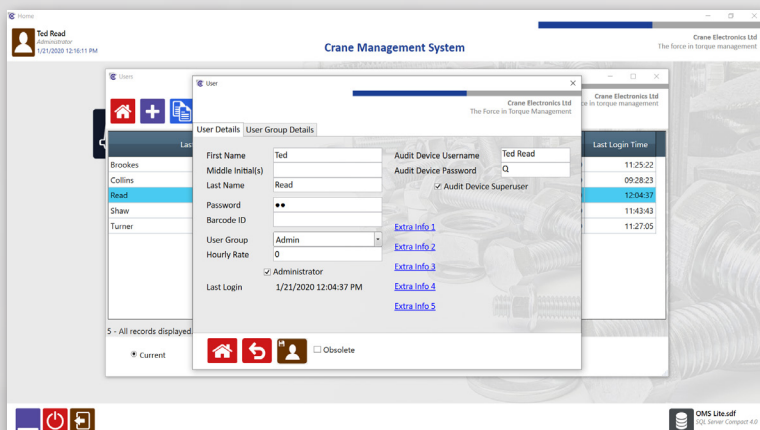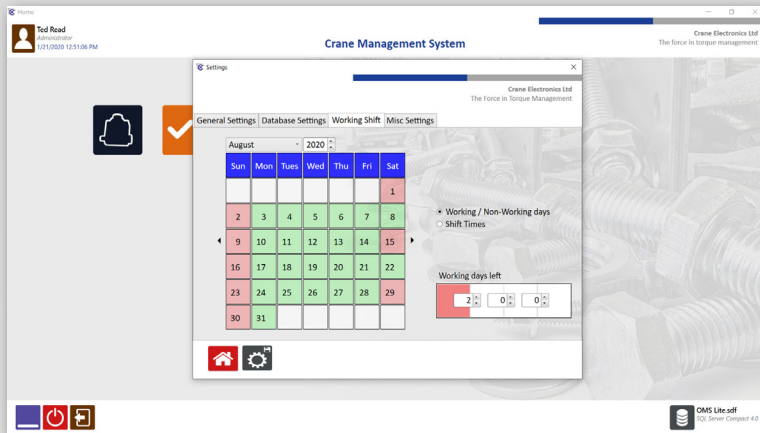
Shift Management

Administrators can use OMS Lite to define the shift pattern of their workforce by number of hours across each day, as well as allocating working days with use of the calendar settings.
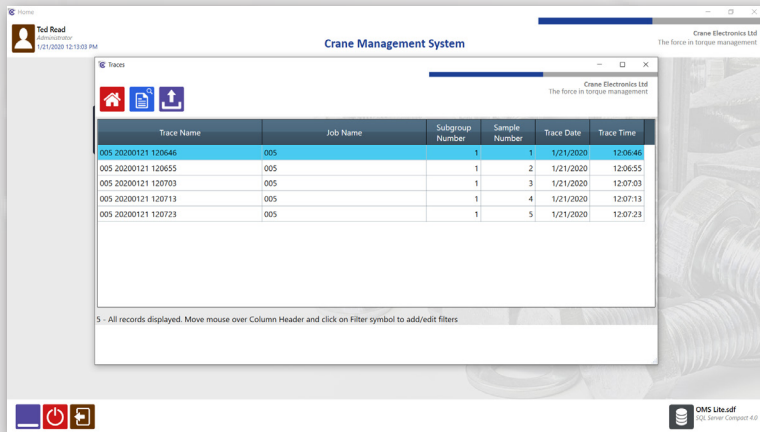
This allows complete management of all users and to schedule data and times for 'Jobs' to be completed on selected dates and times.
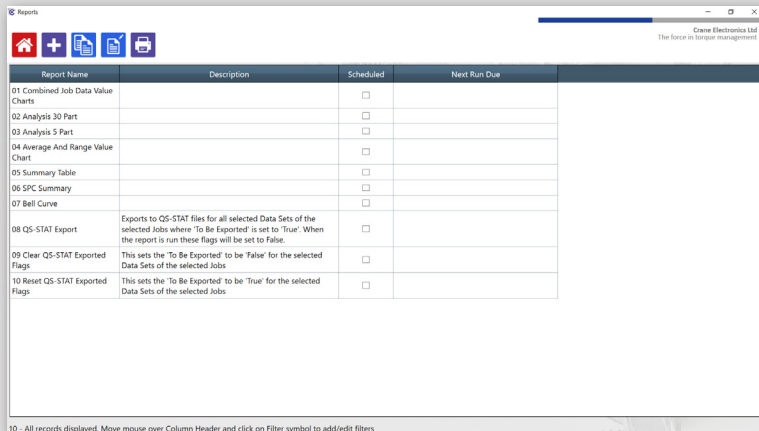

Torque Traces

The torque traces functionality is available as standard with OMS Lite, giving users the ability to overlay multiple torque curve data on one graph to monitor results and easily spot any skewed or irregular readings.

All torque trace graphs can be reviewed and analysed within OMS Lite and with easy export options to Excel, CSV or PDF, it is ideal for recording and storing this vital data.

Switching between and selecting multiple torque traces is simple and easy to do and users have the ability to switch the graph viewpoint between Torque v Time, Torque v Angle or Angle v Time.

Reports

The reports function of OMS Lite offers a suite of standard reports that can be viewed and exported. The user can filter the available information and statistics to be displayed within the reports such as 'Jobs', 'Rounds', reading data, audit tooling (transducers, wrenches etc.) and user information.

Once a report has been run, it can easily be exported to numerous formats including Excel, CSV and PDF.

The report function transforms a tool, joint and audit device management software system into a unique, cost and efficiency saving package, providing unprecedented access to data in a completely flexible framework.

User-defined bespoke reports can also be designed in-house and supplied by Crane Electronics. Please contact us for more information about what is possible.

Minimum PC and OS Requirements:
The user must ensure that their machine operates on Windows 10 to properly run OMS Lite software.
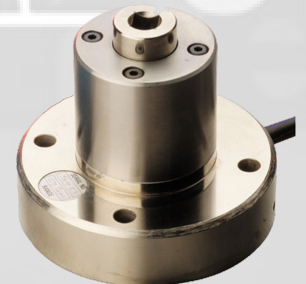
Product Code
OMS Lite   -   OMSL1 - 0001 - CRXXXX

For more information about our OMS torque software packages, please contact us at 01455 25 14 88 or email us at sales@crane-electronics.com.

Complete torque management systems from Crane Electronics

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