

Operator's Manual

MTTS Trolley

Manual 997 Issue 2
Crane Electronics Ltd



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UKCA MARKING

Crane Electronics Limited declares that the MTTs has been assessed and complies with the UK regulatory requirements.



CE MARKING

Crane Electronics Limited declares that the MTTs has been assessed and complies with the requirements of the relevant CE Directives.



COMPLIANCE

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in

particular installations. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

PRODUCT DISPOSAL

Applicable in the EU and other European Countries with separate collection systems



The symbol shown here and, on the product, means that the product is classed as Electrical or Electronics Equipment and should not be disposed with normal commercial waste at the end of its working life.

The Waste of Electrical and Electronics Equipment (WEEE) Directive (2012/19/EU) has been put in place to recycle products using best available recovery and recycling techniques to minimise the impact on the environment, treat any hazardous substances and avoid the increasing landfill.

To enable this product to be disposed of properly i.e., cradle to grave, Crane Electronics is willing to accept the return of your product (at your cost) for recycling or alternatively, for more detailed information about recycling of this product please contact your local authority or the Distributor / Company where you have purchased the product.

Battery disposal to take place in line with the AMENDED BATTERIES DIRECTIVE 2013/56/EU. Batteries must **not** go to landfill. Check with local legislation.

Crane Electronics declares that this product does not contain any of the 191 Substances of Very High Concern (SVHC's) identified in the REACH Regulation in used articles make-up.

In Countries outside the EU:

If you wish to discard this product, please contact your local authorities and ask for the correct way of disposal.

Signed for & on behalf of **Crane Electronics Ltd.**

Name: **B. M. Etter**
Title: **Safety & Environmental Advisor**

Signature of Issuer: 

ABOUT THIS MANUAL

This manual covers the MTTs working with our range of Rotary and Stationary transducers, Switching modules and Data Collectors.



Actual screen shots or images represented in this manual may differ slightly from those on the actual product, depending on the version.

Software version: N/A

SYSTEM OVERVIEW

The Mobile Torque Testing Station (MTTS) is a portable tool station which also provides a reliable platform and surface to test the torque readings of your tools at the side of the production line.

It is also capable of storing all your tools and torque testing equipment. The drawer and cupboard are also lockable to prevent them opening whilst the trolley is being moved.

The MTTS is compatible with the complete range of Crane Electronics torque measurement and auditing equipment.

The standard MTTS consists of:

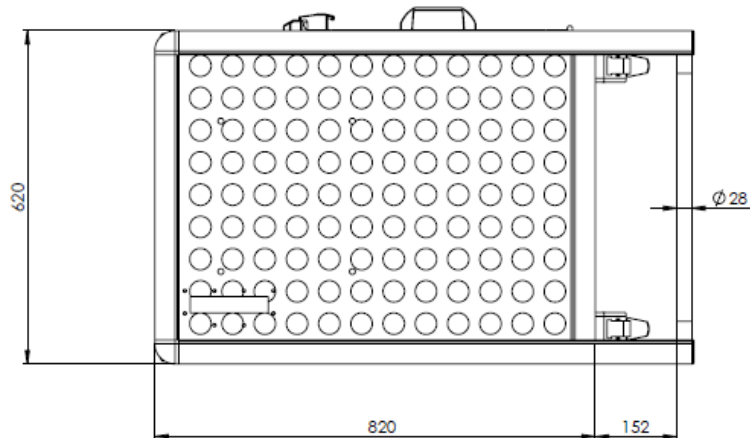
- Main trolley
- Transducer mounting plate
- 240V power distribution RCD - MCB

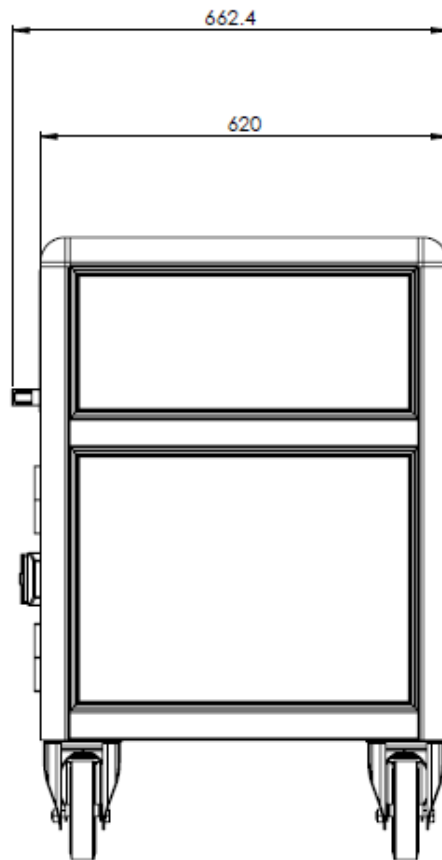
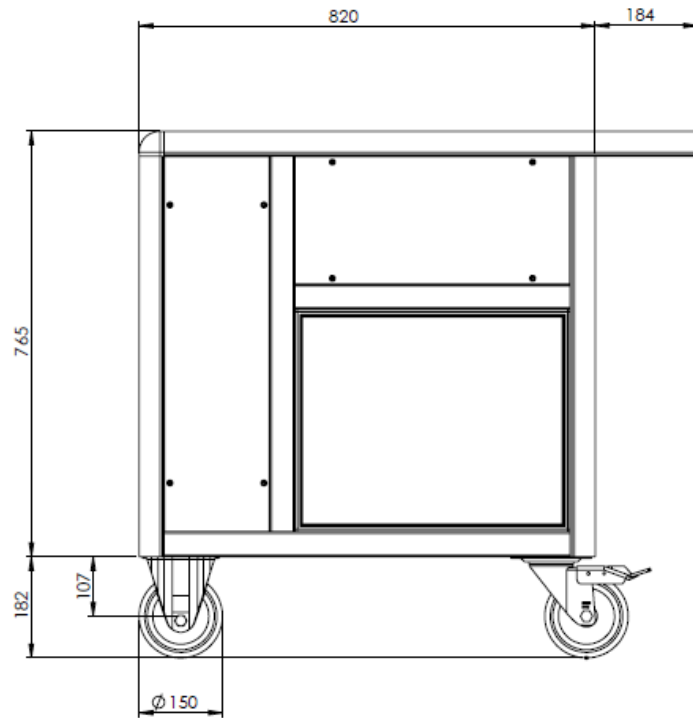
Further options are selectable at the time of purchase – Contact sales for further information.

WEIGHTS AND DIMENSIONS

Physical properties:

Weight	-	100Kg approx.
Height	-	947mm
Width	-	1004mm
Depth	-	620mm
Max. Load	-	900kg





SYSTEM SPECIFICATION

Optional Equipment fitted:

- IQVu Plus Data Collector **IQVC2-0TT1-CRXXRX**
- TorqueStar Data Collector
 - Lite
 - Plus
 - Pro
- Panasonic FZ-G2 Toughbook Tablet **CEL 573**
- Tabletop Joint Kit
- Female Stationary Transducer
- Female Stationary Joint Kit
- CheckStar Rotary Transducer
- Auto Transducer Switching Box **TO-899-09CR-0-0**
- Label Printer
- Barcode Reader

Accessories:

- 600mm Reaction Arm & Accessory Kit **CT-997-12CR-0-0**
- MTTs Top Plate **CT-997-14CR-0-0**
- Right-angled Transducer Mounting Bracket

SAFE USAGE

- When using the MTTs with any assembly tools, the transducers and Joint kits must be securely bolted to the mounting plate ensuring all bolts are fitted.
- DO NOT operate shut off tools (Nut-runners etc.) without using an appropriate reaction post.
- Use an appropriately sized joint kit, configured to the required joint condition.
- Always wear appropriate protective gloves and eyewear when operating the equipment.
- Take note of potential pinch points/finger trap risks when handling tools during testing.

MAINTENANCE/SERVICING

Due to the simplicity of the MTTs system, there are only a few areas which need to be inspected/maintained:

General checks:

- Check condition of wheels
- Check integrity of assembly (No loose fixings)

- Check brake mechanism is functional
- Check drawer close mechanism is functional the drawer stays closed when manoeuvring the trolley
- Check cupboard locks are functional
- Check transducer mounting bolts are sufficiently tightened
- Check mains input cable and socket for damage – replace if required

Maintenance:

- The surfaces can be cleaned using an industrial cleaner such as Rocol
- Ensure joint kit washers are greased using molybdenum disulphide grease, every 3 months
- Ensure joint kit bolt threads are greased regularly using molybdenum disulphide grease every week
- Inspect joint kit threads during regreasing for damage – replace if required
- Unit should be PAT tested on a scheduled basis – recommended period is yearly

Transducers and data collectors:

- No user serviceable parts and therefore are maintenance free
- Both can be cleaned using an industrial cleaner and a soft cloth

CONTACT US

To get in touch with Crane Electronics, please go to <https://crane-electronics.com/contact-us/>

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