

Metrology fixture tables - flexible solutions for you

Improve your inspection process with Renishaw's metrology tables

Compatible with any portable CMM, white light or laser system, our metrology tables give you the freedom to move about your workshop or metrology inspection area with ease. The modular construction provides flexibility to mount portable CMMs.

Improve your inspection process with our metrology tables and discover the following benefits.

Compatibility

Fixture your parts using our individual modular fixturing components, those from a component kit or custom fixtures.

No downtime

Our metrology tables come fully assembled, just unpack and start measuring.

Designed to suit your needs

We have standardised our three most commonly purchased table sizes to provide a cost effective and faster supply. These standard sizes cover most applications and component sizes. Each of the three standard sizes is available as a table only or with shelves, or shelves and drawers.

There is an option to purchase a universal adaptor plate (R-PAACU) with optional monitor or laptop brackets.

We are able to design and provide options if you require a custom sized table, just contact us to discuss your requirements.

Stability

The fixturing top plate is secured to the metrology table frame with mounting holes, adding to the stability and rigidity of the table. This also allows users to mount heavy parts to the table without the top plate flexing or distorting.

Mobility

Each table is equipped with four castors that are specially designed to ensure easy mobility and precise positioning. Each castor features an extending support foot that provides stability to the table and allows for levelling on uneven surfaces.

Repeatability

The fixture plates are precision ground and hard coat anodised to resist scratching and increase durability. All plates come with alpha-numeric labelling as standard, for correctly documenting each fixture setup.

Plate

- There are three standard sizes - 1200 mm × 900 mm, 1500 mm × 900 mm and 1800 mm × 1200 mm.
- Hard coat - our plates are protected with a hard coat anodise to reduce wear, scratching and stains.
- Universal adaptor - ordering one of our universal adaptor plates (R-PAACU) will allow for fitment of any portable CMM, articulating arms, measuring arms, or scanners.
- No additional plates required - a granite table would require additional plates to be purchased to allow the use of modular metrology fixturing.



Frame

- Heavy duty levelling feet - each castor features an extending support foot that provides stability to the table and allows for levelling on uneven surfaces.
- Lightweight - compared to granite table solutions, our tables are much lighter which makes manoeuvrability easy.
- Table shipped fully assembled - each table can just be unpacked, installed and is then ready to use.



Components

- Extensive modular component library - Renishaw offers a range of M6 and M8 modular fixturing components to be used with our metrology tables. Custom fixtures are also available on request.
- Fast and repeatable modular set ups - Renishaw modular fixtures can improve throughput, repeatability and accuracy of your inspection process.
- Robust work holding solution - hardened steel components help to reduce wear and damage, increasing the life span of your fixture.



Threads


- Thread spacing - hole spacing set to 30 mm for M8, and 25 mm for M6 allows for greater flexibility and modularity. Less adjustable components are needed resulting in a more repeatable and reproducible setup.



To explore our range and to discuss your requirements, please contact your local office or sales representative.

www.renishaw.com/contactus

 #renishaw

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