

Metrology tables

Why choose Renishaw?

Plate

- **Custom sizes available** - Renishaw can quote for any table length and width, up to 1525 mm x 3050 mm and 60 in x 120 in.
- **Hard coat Teflon™** - Our plates are made from NiTuff® hard coat anodise to reduce wear, scratching and stains.
- **Universal adaptor for Faro, Romer and Nikon** - Ordering one of our universal adaptor plates (**R-PAACU**) will allow for fitment of any Faro, Romer or Nikon portable CMMs.
- **No additional plates required** - A granite table would require additional plates to be purchased to allow the use of modular fixture set up.



Frame

- **Heavy duty levelling feet** - Each table is fitted with levelling casters for easy manoeuvrability. Levelling feet are available upon request for easy table height adjustment.
- **Lightweight** - Compared to granite table solutions, our tables are much lighter which allows for easier manoeuvrability without compromising stiffness.
- **Table shipped fully assembled** - Each table arrives in its own purpose-built crate. Once removed, the table can be installed without any assembly, ready to use.



Components

- **Our extensive modular component library** - Renishaw offers an extensive range of M6, M8 and ¼-20 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 components.



Threads

- **Thread spacing** - Superior hole spacing (30 mm and 15 mm for M8, 25 mm and 12.5 mm for M6, 0.50 in and 1.0 in for ¼-20) allow for greater flexibility, modularity and therefore less adjustable components are needed resulting in a more repeatable and reproducible setup.
- **Thread strength** - Renishaw plates use rolled threads which offer more strength in comparison to cut threads because their grain flows in more than one direction.



Improve your inspection process with our 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 of Renishaw's metrology tables provide flexibility to mount portable CMMs. Improve your inspection process with our metrology tables and discover the following benefits:

Stability: Every fixture 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.

Portability: Each table is fitted with levelling casters for easy height adjustments and manoeuvrability around your metrology or inspection area.

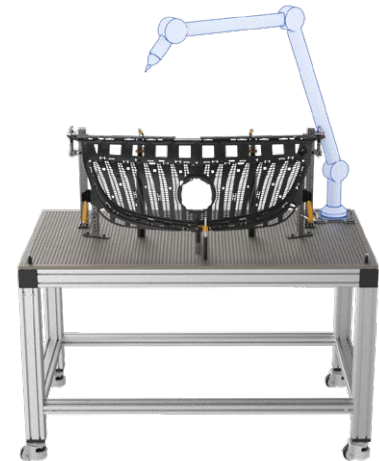
Repeatability: The fixture plates are precision ground and hard coat anodised to resist scratching and increase durability. All plates come with alpha-numeric labelling as standard, for correctly documenting each fixture setup.

Compatibility: Fixture your parts using individual modular fixturing components, those from a component kit or custom fixtures. Ordering one of our universal adaptor plates (**R-PAACU**) will allow for fitment of any Faro, Romer or Nikon portable CMMs.

No downtime: Our metrology tables come fully assembled, just un-crate and start measuring.

Designed to suit your needs: Metrology fixture tables are available in any size to suit your requirements.

Renishaw's metrology fixture tables are available in both standard sizes (see table below) or custom sizes with fully customisable options such as drawers, shelves and monitor or laptop brackets.



Standard sized metrology fixture tables

| Part number | Thread | Height | Width | Depth | Thread spacing |
|--------------------|--------|--------|---------|---------|----------------|
| R-TM-1200900-25-6 | M6 | 900 mm | 1200 mm | 900 mm | 25 mm |
| R-TM-1500900-25-6 | M6 | 900 mm | 1500 mm | 900 mm | 25 mm |
| R-TM-18001200-25-6 | M6 | 900 mm | 1800 mm | 1200 mm | 25 mm |
| R-TM-1200900-30-8 | M8 | 900 mm | 1200 mm | 900 mm | 30 mm |
| R-TM-1500900-30-8 | M8 | 900 mm | 1500 mm | 900 mm | 30 mm |
| R-TM-18001200-30-8 | M8 | 900 mm | 1800 mm | 1200 mm | 30 mm |
| R-TM-4836-1-20 | ¼-20 | 35 in | 48 in | 36 in | 1 in |
| R-TM-7248-1-20 | ¼-20 | 35 in | 72 in | 48 in | 1 in |
| R-TM-6036-1-20 | ¼-20 | 35 in | 60 in | 36 in | 1 in |

N.B. Don't forget to order our universal adaptor plate (**R-PAACU**) to allow for fitment of any Faro, Romer or Nikon portable CMMs to your metrology table.

To receive a tailored quotation or standard sized metrology table pricing, please contact your local sales representative or visit www.renishaw.com/fixturetable

