

# QuickLoad™ rail and plates

## Why choose Renishaw?

### Rail

- **Accurate positioning** - The QuickLoad™ base plates locate and align to the QuickLoad™ rail using location pins, whilst magnets secure them in position.
- **Speed and precision** - The QuickLoad rail system allows for faster throughput of inspected parts. The ability to quickly changeover plates paired with the design of the location pins on the rail also reduces alignment and calibration issues, providing a tangible return on investment.
- **Greater flexibility** - The design of our rail maximises the available measuring volume on your CMM. The rail can be located and secured to the CMM's granite on the left, centre, right or existing modular base plate, allowing multiple plates and configurations to be used utilising one or both sides of the QuickLoad rail.
- **Interchangeable design** - The rail's interchangeable design increases CMM capacity. One machine can run several different inspections with minimal setup. Interchangeability between machines also increases throughput.
- **Easy installation** - The QuickLoad rail provides a choice of different thread bolt holes to secure the rail directly onto the CMM's granite surface. This flexible fixturing system ensures it matches the holes on the CMM it is being installed on. This installation of the rail means the fixture plates are secured to the rail's pins without the need for additional plate clamps.



### Plates

- **Large selection** - We ensure our base plates are available in a range of sizes (150 mm x 150 mm, 300 mm x 300 mm, 450 mm x 450 mm, 6 in x 6 in, 12 in x 12 in and 18 in x 18 in) to allow you to select the correct plate for your application. QuickLoad plates also have the largest number of threaded holes per plate area on the market, giving you maximum flexibility when fixturing.
- **Save time** - The ability to preconfigure fixture setups allows for quick swap over of parts, increasing throughput by allowing the user to set up parts for inspection on multiple plates.
- **No hidden extras** - Our unique design does not require any additional end caps to secure the plate position on the rail. All hardware needed for installation and use is included.
- **Consistent quality** - Our QuickLoad plates utilise Renishaw's industry leading Nituff® hard-coat anodised, alpha-numerically labelled aluminium base plates in M4\*, M6, M8\* and ¼-20 thread sizes.



(\*Thread sizes available upon request.)

## Accessories and components

- **Accessories** - A full range of complementary accessories will be available to enhance the use of your QuickLoad rail system for all CMM operations.
- **Compatibility** - Renishaw's extensive range of modular fixturing components and custom designed fixtures is fully compatible with the QuickLoad system.
- **Fast and repeatable set ups** - Our modular and custom designed fixtures can improve the 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.



## Increase throughput, save time and improve accuracy

Increase throughput, save time and improve accuracy for CMMs with Renishaw's QuickLoad™ fixturing range. As leaders in metrology fixturing, we understand that time is money.

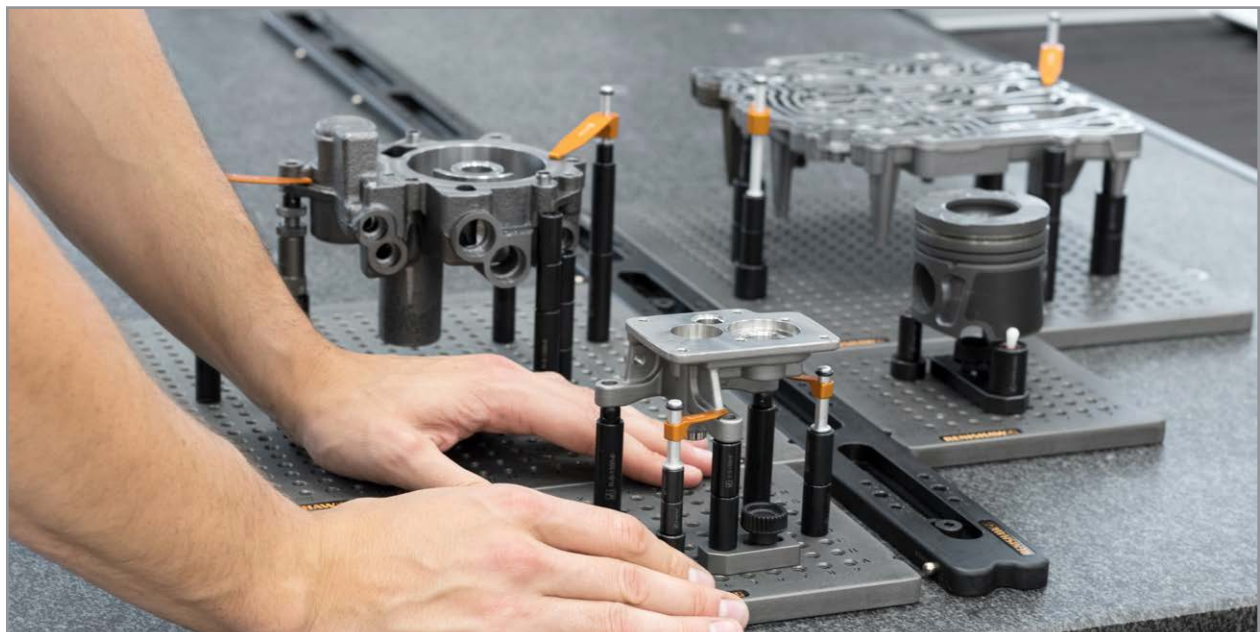
Taking inspiration from our QuickLoad corner range for vision systems, we have developed a rail system for use with CMM applications which allows for increased speed and flexibility whilst maintaining repeatability and reproducibility. Due to the simplicity of its application, the QuickLoad rail requires minimal training so you will be up and running quickly.

Use Renishaw's QuickLoad rail system to ensure your fixture setups are:

- Fast
- Repeatable
- Interchangeable
- Flexible
- Accurate

**To receive a quotation please contact your local sales representative or visit**

[www.renishaw.com/quickload](http://www.renishaw.com/quickload)



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