



CoMech

Calibrating measuring equipment since 1985

CoMech Metrology provides solutions to a diverse area of metrology, including: -



Asset Management

Taking care of high-value assets is at the core of our daily management focus. Our management systems are based on BS ISO 55000 and are supported by bespoke asset management software systems, including our in-house and technically-advanced **TrackRecordPro** which helps businesses manage their catalogues of assets.



TrackRecord Pro

With a user-friendly interface and advanced reporting capabilities, TrackRecordPro is CoMech's proprietary asset management software. This cloud-based system helps varying organisations across the country control the maintenance, upgrades and replacements of their measuring equipment with up-to-date status reports.



Inspection

We employ a wide range of laboratory and on-site inspection equipment and technology, driven by high-volume, programmable inspection software to suit large volumes of production components capable of producing detailed and scaled drawings of discrete aspects of complex components.



Repair

Our team of talented electrical and mechanical engineers can provide specialist repairs on a range of equipment types. Whether broken, obsolete or custom-made, we can re-engineer and replace your metrology equipment. We extend the life and usability of your most valuable measuring assets.



Design

CAD drawing and technical documentation are at the forefront of our design-based services. Our skilled team will guide you through to concept stages through to visualisation and representation of your final product. We deliver first-class engineering solutions which span the full breadth of the rail engineering industry.



Calibration & Metrology

CoMech provides comprehensive support for electrical, mechanical and physical equipment types which can be calibrated to an unprecedented degree of accuracy. Our engineers operate within our ISO/IEC 17025 accredited laboratories and specify in high voltage testing, temperature, dimensional, and load and mass verification.



MiniProf

We are proud to become the sole agent for the sales, calibration and maintenance of the world-renowned MiniProf range of profile measuring instruments across the UK and Ireland. Patented in 1992 by Greenwood Engineering, these easy-to-use instruments are for measuring cross-sectional profiles of various rails, brakes and wheels.

CoMech Metrology has been established and calibrating metrology equipment within the rail industry since 1985. We have since grown from strength to strength by acquiring loyal customers through our innovative practices and our fantastic team of staff.

We are proud to be working with all our customers and suppliers within the industry across the world. The services we provide include calibration, repairs, inspection and asset management, alongside the design and manufacture of rail gauges for use on the UK's railways.

CoMech are constantly expanding and innovating. We are now the sole agent for the sales, calibration and maintenance of Greenwood Engineering's MiniProf full-contact profile measuring instruments for the UK and Ireland.

Contact our friendly customer services team to find out what we can provide for you.

CoMech



CoMech are now responsible for the sales, calibrations and repairs of the world-renowned MiniProf range of profile measuring instruments within the UK and Ireland.

The MiniProf units are becoming recognised on a global scale with over 2,500 users in over 50 countries.

Patented in 1992 by Greenwood Engineering, these easy-to-use instruments are for measuring cross-sectional profiles of various rails, brakes and wheels. Each unit features a full-contact, knife-shaped contact point for seamlessly cutting through layers of dirt, grease, frost, leaves and more, which makes them suitable for using in virtually any working environment. Made from titanium, they operate with a small magnetic wheel and wireless Bluetooth connectivity.

All members of the MiniProf family use a single contact point, which collects a vast amount of individual points in one single swoop of the magnetic wheel. These measurements are collected in less than five seconds with an accuracy range of 9-11µm. The combination of Bluetooth connectivity and the professional Envision software gives users the opportunity to wirelessly take a vast amount of accurate measurements on PCs, Android smartphones and tablets.

Each instrument has an operating temperature range of -15°C to +35°C with a battery life of 10 hours or 1,000 Bluetooth measurements. The MiniProf range has been specifically made for the quality control, maintenance and safety regulation of rail tracks, wheels and brakes. They are ideal for using within rail depots and other specialist organisations around the world.

About CoMech

CoMech is a metrology specialist with roots firmly in the rail sector but also provides measurement solutions to the automotive, aerospace and general engineering sectors. We offer a range of services including asset management, calibration and measurement solutions to some of the most prominent companies in the UK.

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TrackRecordPro
KEEPING YOU ON TRACK

CoMech

Following the success of our Track-It and TrackRecordPro asset management platforms, CoMech are pleased to release a new and updated version.

TrackRecordPro3 has been redesigned to offer new and existing users a streamlined asset management experience.

Combining a user-friendly interface and advanced reporting capabilities, assets are stored, and their corresponding compliance are managed with ease.

TrackRecordPro3 is suitable for all users across a business. The cloud-based system helps varying organisations across the country control the maintenance, upgrades and replacements of their measuring equipment with up-to-date status reports. TrackRecordPro3 is maintained in-house at CoMech and we provide all users with full training and support. We have a growing number of valued clients who already utilise TrackRecordPro to its full potential to maximise their productivity while minimising costs.

Key features of TrackRecordPro3 include:

- Instant messaging for all users across a workplace.
- Add delivery notes to jobs and export as PDF documents.
- Add images to assets for easy identification.
- Scan an asset's barcode with a handheld scanner or with the scanner/camera function on a smartphone.
- Information regarding assets can be printed to be used for audit control.
- Completely customisable interface.
- Add multiple users with their own permissions.
- Use any time, in any place with an internet connection.
- Easily import and export spreadsheets for further analysis and reporting.

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CALIBRATING MEASURING EQUIPMENT SINCE 1985

CoMech Metrology provides verification, calibration and precision measurement services within our ISO/IEC 17025 accredited laboratories.

Our comprehensive range of support includes electrical, mechanical and physical measuring equipment which can be calibrated.

Our specialist services also cover the following areas:

- MiniProf instrument calibration
- High voltage electrical calibration
- Load and mass verification
- Mechanical calibration including micrometers and length bars
- Pressure gauge calibration
- Temperature calibration
- Torque calibration
- Component calibration
- Instrument calibration
- Dimensional measurement & inspection (CMM, optical, laser tracker)

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TECHNICAL DRAWING EXPERTISE GUARANTEED

CoMech Metrology employ technically-rigorous design engineering protocols for applications which span the full breadth of the rail engineering industry.

We offer innovative design techniques for the creation of bespoke rail gauges and solutions for the rail industry.

Our specialist design services also incorporate the following:

- Concept development
- Full 3D CAD and technical drawing preparation
- Qualification and certification
- Visualisation and animation
- Electro-mechanical element design
- Control system design and development
- Measurement system design and development
- Sensing and digital system integration

Our experience of all applications together with our staff's expertise, breadth of capability and experience deliver world-class engineering solutions.

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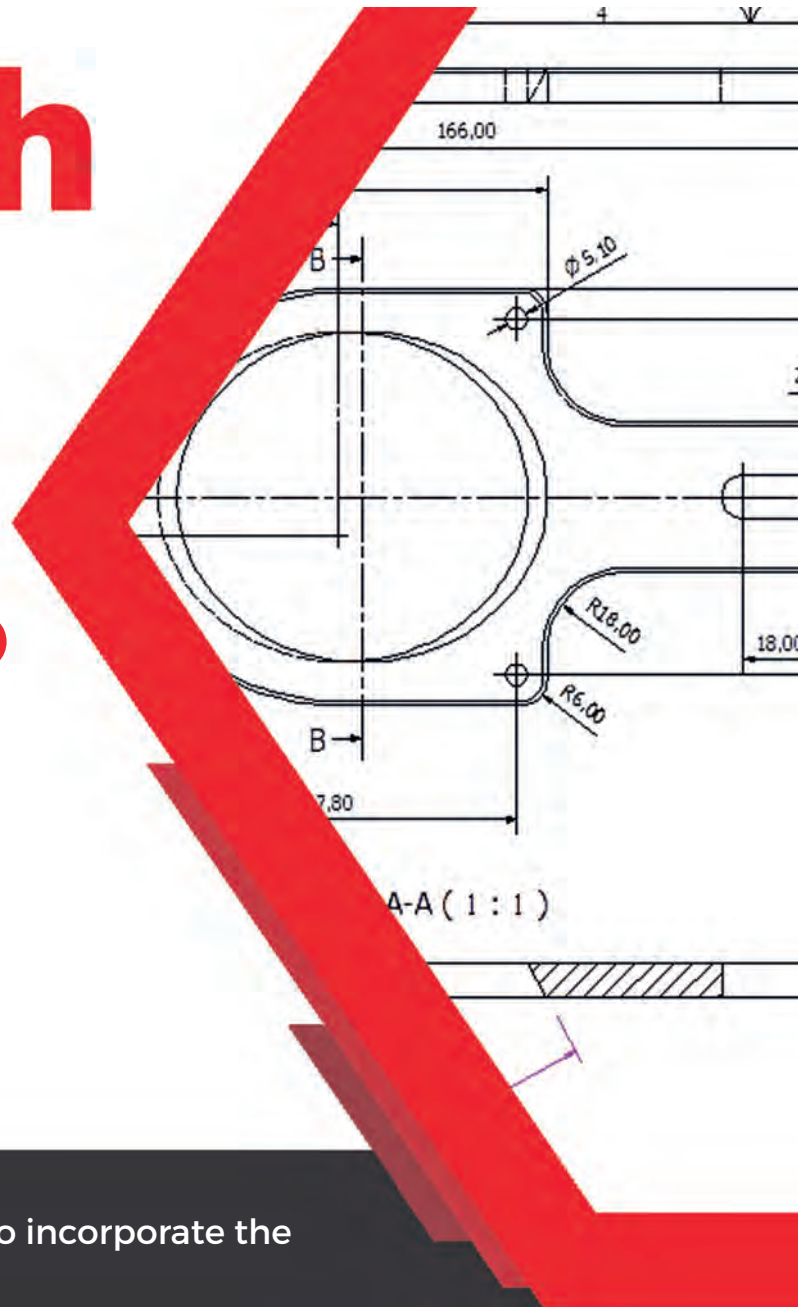
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METROLOGY EQUIPMENT SERVICING

In addition to our calibration service, we also offer customers our expertise for repairing and replacing damaged or obsolete measuring equipment.

Our repairs service covers an extensive range of torque, mass, electrical, dimensional and other equipment types.

We also offer repairs and servicing for the MiniProf profile measuring units.

Damage and wear are inevitable when it comes to the constant pressure metrology equipment withstands. For damaged or otherwise obsolete metrology equipment types, we have the team and resources in place for re-engineering and repairs.

CoMech's specialist team can assess the full extent of the problem and advise on the best course of action.

We provide end-to-end solutions for a wide range of issues that can occur at any time on any piece of measuring equipment. CoMech can repair many types of equipment including gauges, calipers, micrometers and much more.

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Contact Us

To discuss a new project or if you have a product that needs servicing or calibrating.

Laboratories

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UKAS Accreditation

We provide innovative calibrations, repairs and maintenance in the following areas:

Dimensional

Electrical

Pressure

Mechanical

Temperature



Find out more and see our full accreditations at [ukas.com/search-accredited-organisations/](https://www.ukas.com/search-accredited-organisations/)

We are proud to work with valued customers and suppliers around the globe.

