

exact

by AML Instruments

amlinstruments.co.uk

 **aml**
INSTRUMENTS

AML Instruments

Specialists in test equipment calibration, service, and supply.

Our Values

Accountable



Collaborative



Dynamic



Focused



Responsive



Accurate. Adaptable. Attentive.



Alex Leeson
Managing Director

A warm welcome to AML Instruments, your trusted specialists in test instrument calibration, service, and supply.

Since 2012, our family owned company has helped businesses across the UK and beyond achieve operational excellence by ensuring integrity and precision in their measurements.

We are proud to hold UKAS ISO 17025 accreditation and operate a Quality Management System that meets the rigorous standards of ISO 9001:2015. This ensures our service quality remains consistent, reliable, and industry-leading.

Whether you need on-site or off-site calibration, a new universal testing machine, or an expert to repair your environmental chamber, we've got you covered. Think of AML as your "one-stop shop" for all your test instrumentation and calibration needs.

My team and I pride ourselves on providing outstanding customer service at all times, with accountability, responsiveness, and transparency at the heart of everything we do. We take the time to truly understand your test equipment and process requirements, meaning we can provide the best possible support.

To uphold our reputation for excellence and precision, we continuously invest in our business, people, equipment, facilities, and services.

This steadfast commitment to growth, industry knowledge, and innovation has allowed us to deliver and maintain the highest levels of quality and customer satisfaction.

We're here to help your organisation maximise process efficiency, give unwavering confidence in your measurements, and ensure your products are meeting the highest standards of safety and performance for consumers.

If your business relies on precision instruments, we'd love to have a chat and see how we can work together "measuring success" in the wonderful, always-evolving world of calibration and test instrumentation.



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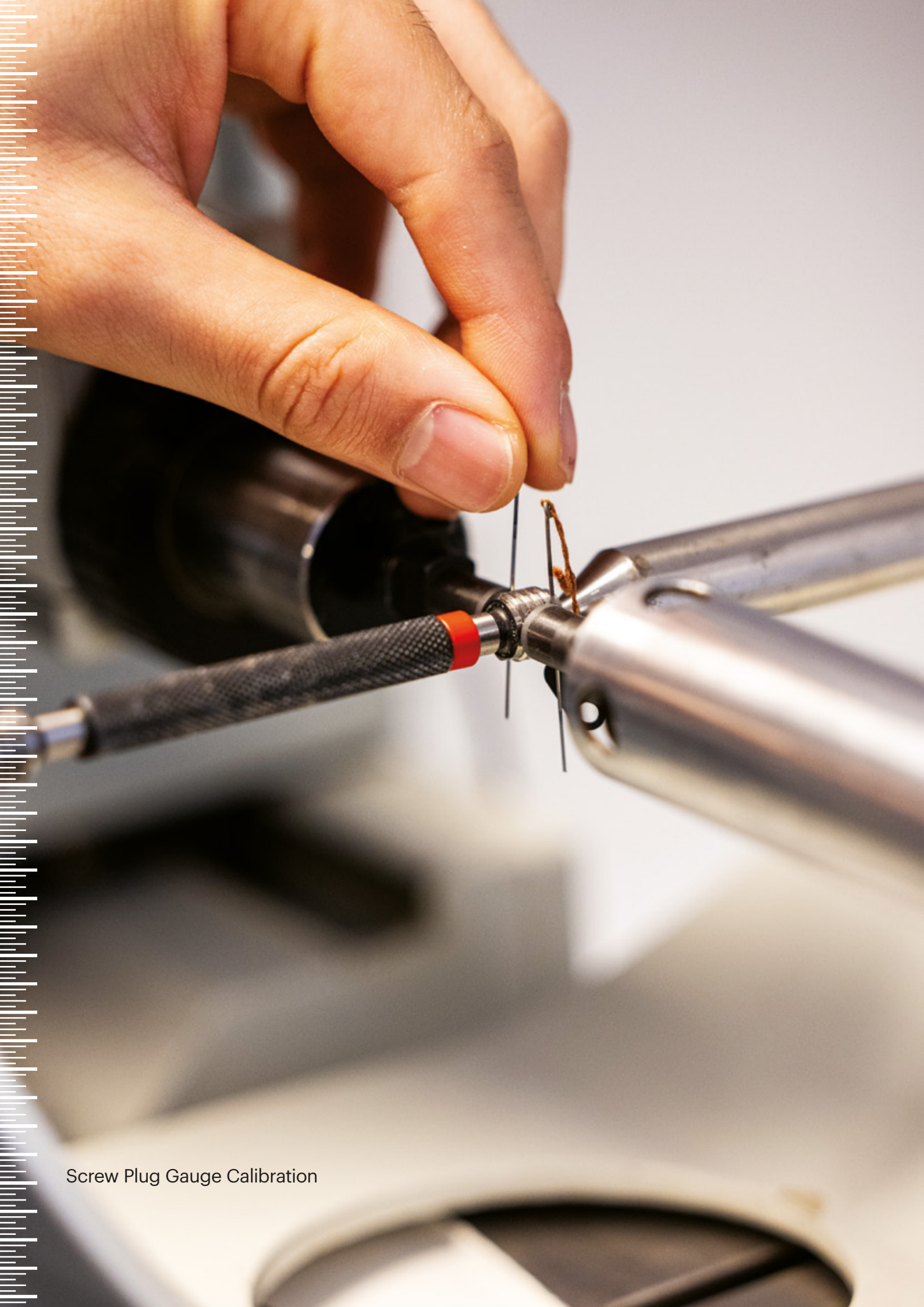
The AML Team

Dedicated. Dependable. Dynamic.

With our winning formula of highly-skilled engineers and diligent office staff, AML Instruments promise an efficient, professional, and responsive service.

Our friendly, knowledgeable team encompasses a wealth of industry expertise, with every department here to support you from onboarding to after-sales service and everything in between.





Screw Plug Gauge Calibration

Calibration Services

Turn ambiguity into accuracy

AML Instruments are a full spectrum calibration company, able to calibrate in excess of 500 test instruments to ISO 9001 approved standards.

We are UKAS accredited for temperature, and scales and balances calibrations, as well as renowned for our expertise in the calibration of test equipment in the paper, packaging, plastics, print and inks industries.

Our industry-leading, multidiscipline calibration services are available on-site or in-house at our fully equipped laboratory just north of the cathedral city of Lincoln. We also offer a calibration collection and drop-off service.

AML's engineers are all highly-trained metrologists boasting many years of experience supporting businesses across a wide range of industry sectors, including: aerospace, automotive, chemical, food and beverage, nuclear, pharmaceutical, and engineering.

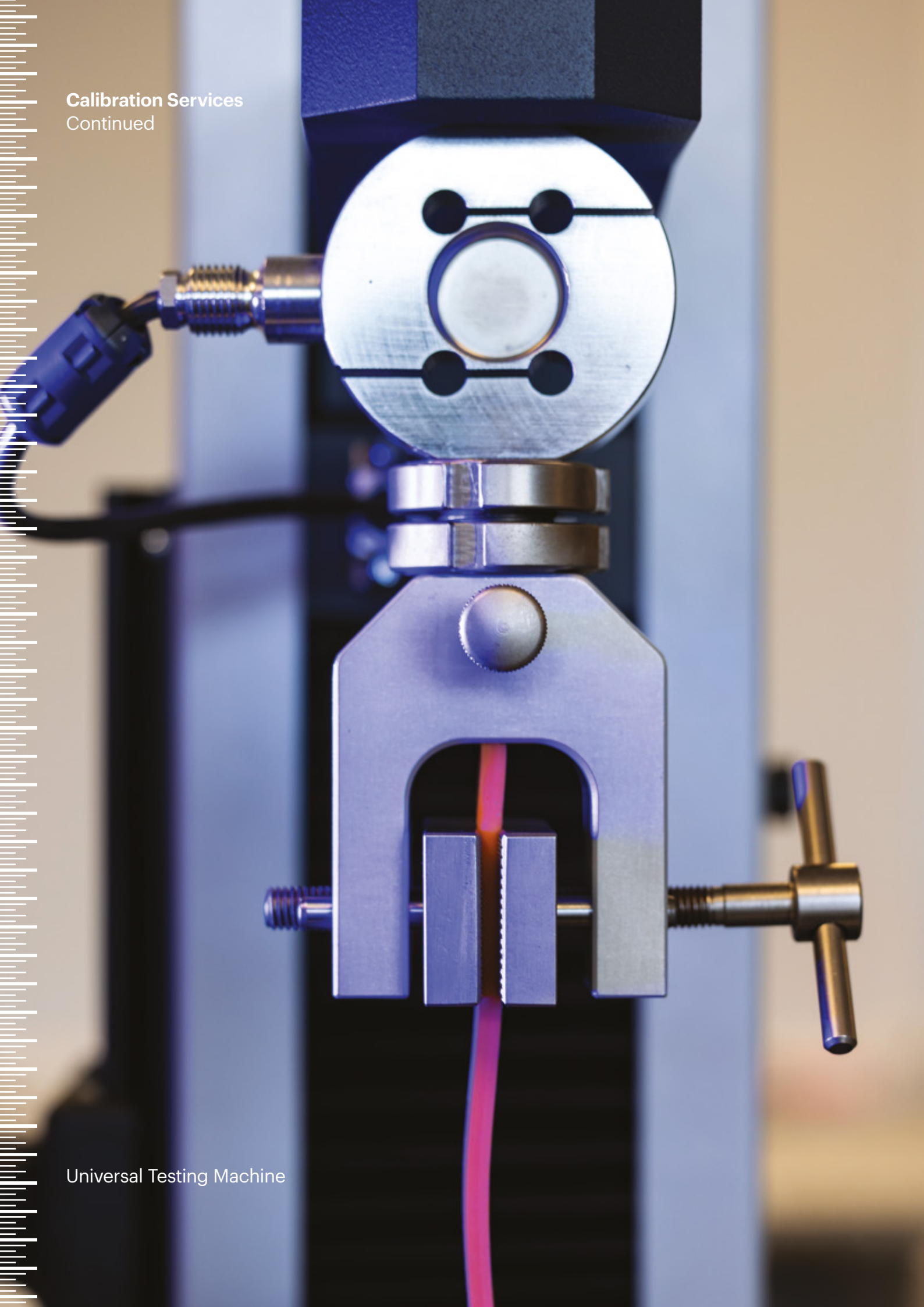
Each engineer is strategically sited across the UK, so you can benefit from fast, cost-effective service, along with our flawless attention to detail and expertise.

Don't forget about our dedicated repair service either, offering repairs down to component level to help prolong the life of your testing equipment and prevent costly failures.

Why choose our full-spectrum calibration services?

- Swift response to all enquiries.
- Full asset management.
- Online certificate portal.
- On-site (we come to you) or off-site (you send your test equipment to us).
- Tailored turnaround to suit your needs: Calibrate While You Wait, 24-48 express service, and our 5 working day standard turnaround time.

Calibration Services
Continued



Universal Testing Machine

Specialising in a broad array of calibration disciplines and test instruments

AML Instruments are specialists at providing on-site and off-site calibration services across a wide range of calibration disciplines for all industries.

Dimensional:

- Micrometers [all types]
- Vernier & Digital Calipers
- Height Gauges
- Surface Tables & Plates
- Screw Plug & Screw Ring Gauges
- Plain Plug & Plain Ring Gauges
- Gauge Blocks
- Straight Edges
- Feeler Gauges
- V Blocks
- Comparators
- Dial Gauges, Plunger & Lever
- Levels
- Protractors, Digital & Vernier
- Bore Gauges
- Steel Rules
- Paint Thickness Gauges
- Thickness Gauges
- Profile Projector

Optical:

- Gloss Meters
- Opacity Meters
- Spectrophotometers

Viscosity:

- Viscometers
- Flow Cups
- Rotoviscometer
- Cone & Plate
- Krebs Viscometer

Mass:

- Weights
- Process Weighing Equipment
- Crane Scales & Load Links [1g to 100 Tonnes]
- Weigh Scales & Balances [1mg to 50tonnes]

Pressure:

- Pressure Gauges
- Vacuum Gauges
- Manometers
- Pressure Sensors & Transducers
- Pressure Transmitters

Temperature:

- Oven & Furnace Surveys
- Autoclaves Surveys
- Temperature Probes
- Thermometers
- Digital Thermometers
- Liquid In Glass Thermometers
- Temperature Controllers
- Thermocouples
- RTDs

Torque:

- Torque Wrenches
- Torque Screwdrivers
- Closure Torque Testers

Electrical:

- Multimeters
- Clamp Meters
- Multifunction Testers
- Installation Testers
- Insulation Testers
- Process Calibrators
- Tachometers
- Pat Testers
- Power Supplies
- Resistance Boxes
- Voltmeters
- Resistance Meters

Force:

- Universal Testing Machines/Tensile Testers
- Load Cells 1 N To 3000 kN
- Force Gauges
- Compressive Strength Measuring Equipment 1 N to 3000 kN
- Crane Scales & Load Links [1g To 100 Tonnes]

Questions about any of our calibration services?

Put us to the test

Telephone: 01522 789 375

Test Equipment

Innovative. Insightful. Invaluable.

From simulating real-life environmental conditions to measuring material tensile strength and the melt flow rate (MTR) of molten plastics, we source, test, and supply an extensive selection of top-class measuring and testing instruments for performing a wide variety of tests.

AML Instruments is proud to have established successful partnerships with some of the world's leading test equipment manufacturers, such as Arctest, BINDER, Epsilon, ETI, Imetrum, Life Testing Machines, Mettler Toledo, Ohaus, Ray-Ran, Rhopoint Instruments, Technidyne, Techlab Systems, and TQC Sheen.

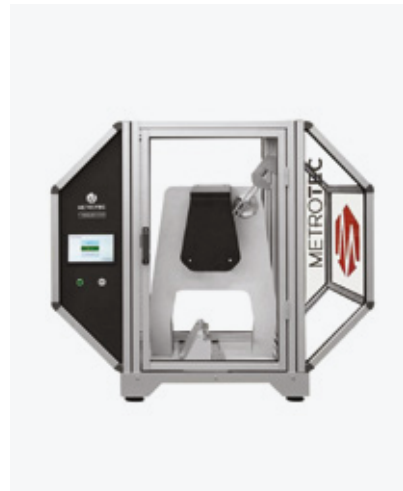
No matter your testing application, we'll aim to source the most suitable measuring instrument or create a bespoke test equipment solution that suits your budget and fulfils your testing needs.

**Questions about any of
our test equipment?**

Put us to the test

Telephone: 01522 789 375

Email: sales@amlinstruments.co.uk



**Charpy & Izod
Impact Testers**

Our Izod and Charpy impact testers are built with operator simplicity and versatility in mind.

They are used in industries such as aerospace and automotive to evaluate the toughness, resilience, and energy absorption abilities of materials such as metals and plastics on impact.



Environmental Chambers

Easily reproduce different simulated environmental conditions, such as temperature, humidity, and vibration with AML Instruments' constant climate chambers.

From small benchtop environmental chambers to spaces large enough for vehicle testing, our climatic chambers are used for an incredible array of applications, including battery testing, photostability tests, and complex standards-based climate tests.



Fatigue Testing Machines

Fatigue Testing Machines are vital in ensuring the durability and reliability of raw materials and components subjected to repeated stress.

All our fatigue testing machines are oil free, easy to use, and designed to meet rigorous testing standards.



Quickly and reliably check your products meet specific standards for durability and strength with our selection of hardness testers.

We supply both handheld and benchtop models, enabling you to examine the hardness properties of materials such as ceramics, metals, and polymers, either on-site in the lab or off-site in the field.

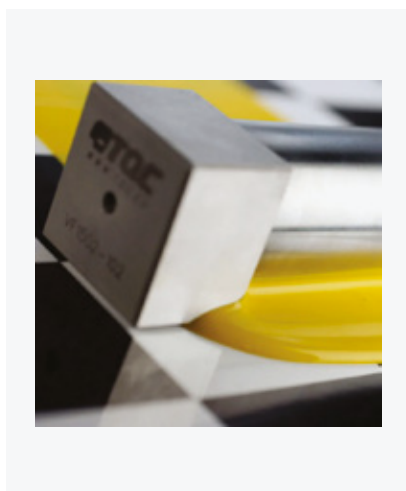
Hardness Testers



MFIs are crucial for predicting the melt flow properties of polymers and thermoplastics, ensuring consistent quality in manufacturing processes such as extrusion and injection moulding.

All our MFI instruments include automatic sample cutting for improved accuracy, and world-leading temperature control for achieving consistent, reproducible results.

Melt Flow Indexers (MFIs)



AML Instruments offers a comprehensive portfolio of inks and coatings test equipment for each stage of coatings development.

Whether you're assessing the colour consistency of your coatings or determining the particle size and fineness of pigments and fillers, we'll ensure your coating, colour, and ink quality control needs are met with precision and reliability.

Inks & Coatings Test Equipment



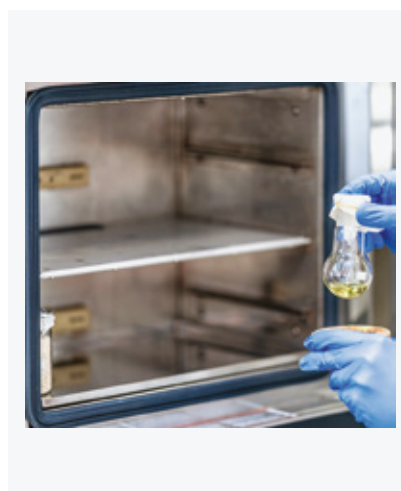
From opacity and brightness meters to barcode verifiers and gloss meters, our optical measurement technologies offer non-contact, rapid response, and highly accurate measurements of optical material properties such as absorbance, reflectance, and transmittance.

Optical Properties



Suitable for determining compression forces, crane weighing, and lifting and in-line weighing and tension applications, our easy to install, high-strength load links and load cells contribute to enhanced efficiency, safety, and manufacturing consistency.

Load Links & Load Cells



Ramp up the heat with AML Instruments' laboratory ovens and furnaces.

Designed to suit many applications, from simple glassware and sample drying to complex heating requirements, our heating and drying ovens benefit from airflow control, tight vacuum seals, uniform heating, and advanced safety features.

Ovens & Furnaces

Testing Equipment Continued



Turn over a new leaf with our paper and pulp testing equipment.

Whether you need a thickness gauge or to measure the freeness of your pulp, our machines save you time and increase output by providing accurate and reliable data about the most important pulp and paper properties.

Paper & Pulp Testing



AML Instruments are experts in the specialist field of plastics and packaging test equipment.

We provide dedicated test systems for evaluating the physical performance and permeation analysis of a wide range of packaging products, such as cartons, films, food containers, plastic bags, pots, trays, tubs, and many more.

This includes specialised test fixtures and software, enabling tests to be carried out to your specific requirements.

Plastics & Packaging Test Equipment



RH and temperature are critical variables in many manufacturing processes.

Whether you need a data logger for continuous monitoring of storage temperature for your food products, or a high accuracy digital thermometer with UKAS calibration, our products promise excellent reliability, long-term stability, and fast, accurate responses.

Relative Humidity (RH) & Temperature Measuring

Profile Projector



Our selection of rub, abrasion, and pilling testers cover a wide scope of ISO, ASTM, & BS standard methods.

They're suitable for carrying out scrub, abrasion, and washability tests on a wide variety of materials, including printed board, packaging, plastic films, fabrics, and non-wovens.

Rub & Abrasion Testers



Designed to perform advanced, high-precision material testing, our electromechanical and servo-hydraulic material testing machines enable you to conduct many different tests, making them a highly versatile asset in materials testing.

They vary in size and force capacities (1 kN – 6000 kN), with load cell options down to 1N.

Universal Testing Machines



From pneumatic test sample cutting presses and micro cutting machines to die sample cutters for tensile specimens, our cutters enable you to effortlessly, precisely, and safely cut materials, saving valuable time in the preparation phase.

Sample Cutters & Sample Preparation



We supply viscosity testing equipment for measuring the viscosity and flow properties of liquids.

Our extensive range includes rotational viscometers, gel strength testers, flow cups, and cone and plate viscometers, delivering real-time viscosity monitoring and control to help you attain the desired viscosity across all your products.

Viscosity Test Equipment



Quickly and easily measure the thickness of nearly any material, including film, foil, metal, paint, tissue, and textiles.

Our collection of thickness gauge products includes basic handheld thickness gauges, benchtop thickness gauges, and capacitance profilers for measuring the cross-web or down-web thickness profile of plastic film and plastic film materials.

Thickness Gauges

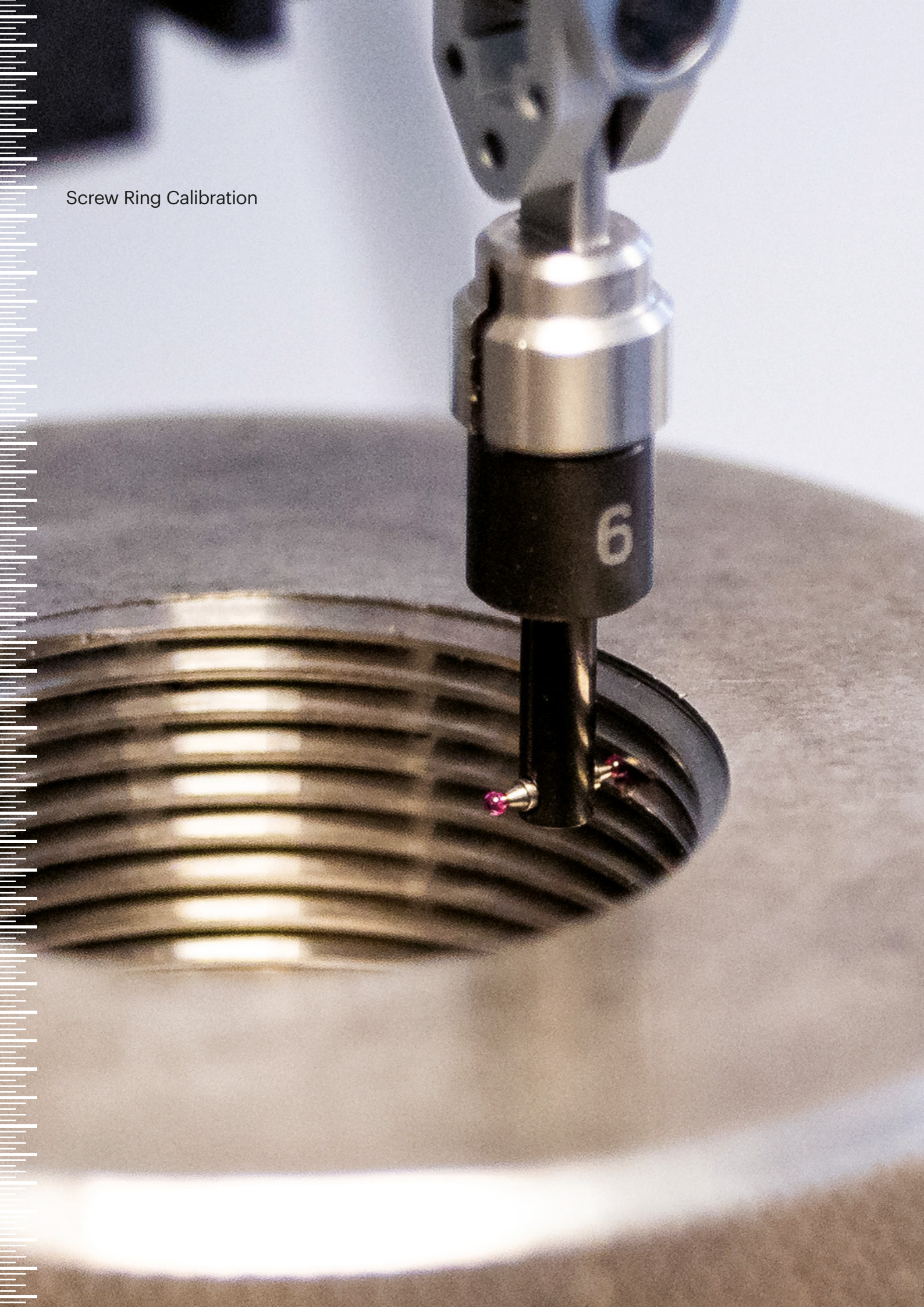


AML Instruments has a comprehensive portfolio of weighing scales and balances for use in environments such as industrial workplaces, laboratories, logistics, and transportation.

From bench scales and counting scales to floor scales and platform scales, we have many different types and sizes of weighing equipment, all user-friendly and weighing with exceptional sensitivity and accuracy.

Weighing Scales & Balances

Screw Ring Calibration





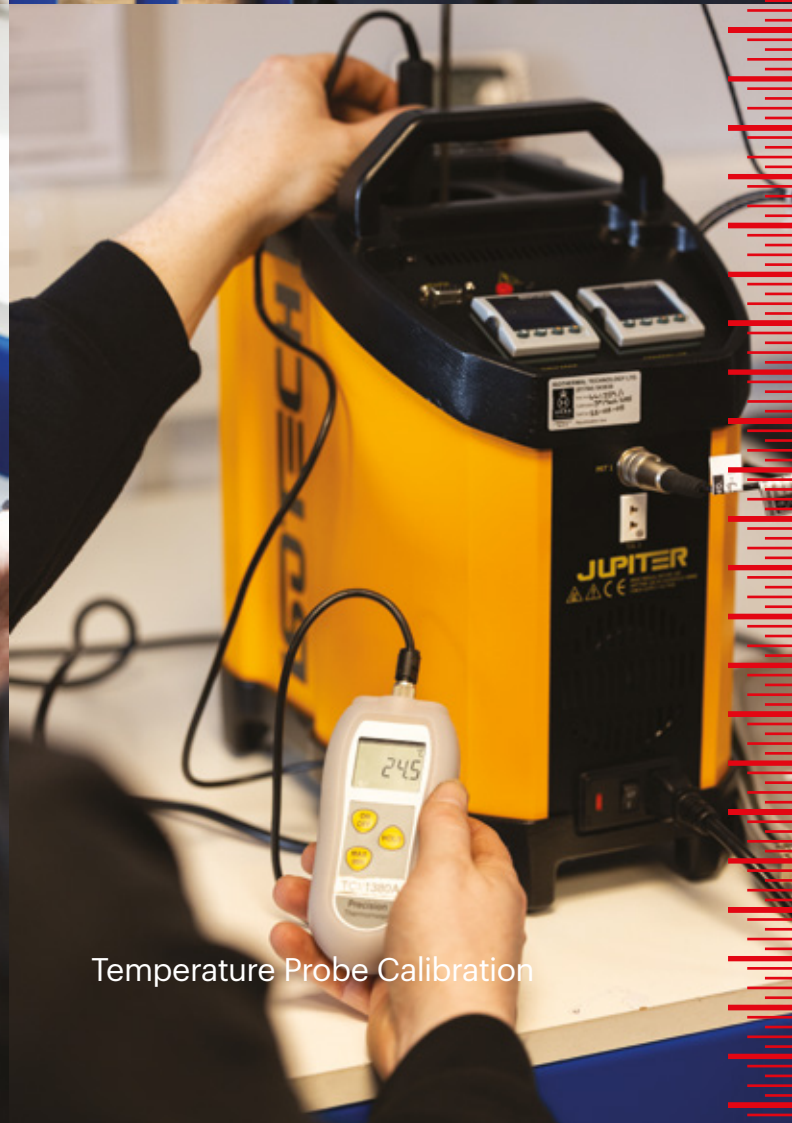
Screw Plug Gauge Calibration



Multifunction Tester Calibration



Torque Wrench Calibration



Temperature Probe Calibration

metriculous

Outstanding performance in everything we do

Measurements are the lifeblood of many business processes. As the old adage goes, "if you can't measure it, you can't improve it."

We're trusted by organisations worldwide, helping them achieve accuracy and precision in their measurements, ensuring compliance, safety, customer satisfaction, integrity, and quality control.

With AML Instruments, you can rely on our technical support, quick turnaround times, and customer-focused approach to provide you with the most cost-effective and proficient service for all your test equipment needs.

Experienced. Expert. Exact.

Customer Testimonials

Find out how we measure up with customers past and present

Atlas Composite Technologies Ltd

"Having used AML for several years to manage our onsite calibration over our group and supply new equipment, I cannot recommend them enough. The service is second to none and always willing to help, even when issues arise out of hours. Excellent service, highly recommend."

Bioenvirotec Ltd

"AML were able to offer the widest coverage for all our instrumentation with competitive pricing. Jess responded quickly with our quote and made scheduling the visit very easy. Sam arrived promptly on the day and completed all the work efficiently. Accessing and downloading certification was very easy and convenient. Would highly recommend the AML team!"

CCL Secure Ltd

"Excellent organising and service by the AML team, will always recommend them to anyone who cares to listen - have used them now for 6 or so years and the service levels have never dipped in that time."

DS Smith

"Great service from AML. We use AML for calibration, servicing and repairs of our testing equipment."

We recently had a piece of equipment completely fail to turn on. Given that it's a fairly niche piece of equipment, AML did a great job of getting out to site, taking away the faulty equipment and bringing it back in perfect working order. Their quick turn around meant that our lab testing schedule was barely impacted.

Great service and response times, from logging the issue right through to resolution. Highly recommended."

Customer Testimonials

Continued

Medical Wire & Equipment Co Ltd

"Had a wonderful and professional service from start to finish; from requesting a quote for a site visit for calibration, right through to engineer visit and then receiving a prompt email directing us to obtain the certificates. Highly recommended."

Primetake Ltd

"I have worked with AML since 2016 during which time they have helped implement and maintain our successful calibration system and have facilitated both the procurement and repair of our test equipment. They are extremely knowledgeable and prompt to reply to any questions we have regarding measurement or calibration. I would recommend AML as a reliable, professional service provider for all things measurement related."

Skymark Packaging International Ltd

"I have dealt with AML since 2019. Since then, we have found their open, helpful and professional manner to be a true asset to us. AML have handled everything from Equipment Calibration to short-notice repairs and equipment sourcing for us and have never let us down. We would highly recommend their services to anyone looking for a reliable partner to their business."

Tyman International

"I have been a customer from AML Instruments for 3 years. The team are so professional, efficient, and always exceeded my expectations. A fantastic company and I highly recommend them!"

Contact Us

We're here to help

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