



METROLOGICAL LABORATORY OF CALIBRATION

compliant with UNI CEI EN ISO/
IEC 17025:2018



LAT n. 142
Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC
*Signatory of EA, IAF and ILAC
Mutual Recognition Agreements*



PRECISION IS OUR JOB



METROLOGICAL LABORATORY OF CALIBRATION

S.D.M. MEASURING INSTRUMENTS

- Measurement tool calibration
- Referred calibration reports
- Calibration certificates issued by LAT/ACCREDIA
- Management of calibration frequency
- Expiring tool recall
- Issuing of tool sheets
- Tool sheet management with event update
- Specific advice on the assignment of MPE value to the tool
- Metrological confirmation
- Tool shift analysis and management
- Measurement tool repairing
- Dimensional testing
- Metrology courses

EXPERIENCE, COMPETENCE, COMPETITIVENESS. FOR 30 YEARS.

30 years of experience in the metrology sector, with more than 20 as an accredited calibration metrological laboratory, make S.D.M. Measuring Instruments a reference laboratory in Italy.

Our company was founded in 1992 as a Tuscan distributor of measuring machines and instruments; in those years quality certification systems pushed the need to

perform metrological confirmation for measuring instruments.

We quickly understood this industry's needs: in 1996 the calibration laboratory was established, in 2001 we were accredited as SIT Centre n.142, and later in 2011, by ACCREDIA, which had taken over as the National Accreditation and Certification Agency, as LAT Centre n.142.

Today we perform calibrations for more than 100 types of instruments in many different industrial sectors. This is made possible by the experience and professionalism of 22 employees, who work in a perfect synergy of assignments and skills, and of our two founding partners, Alessandro and Simone Landucci, who are in charge of the commercial and technical areas, respectively.

In more than 20 years of activity as a metrological calibration laboratory, we have relentlessly pursued the highest quality and optimization of all processes, being able to foresee and realize the innovations and refinements that such a complex market requires, always ahead of times and always aiming to continuously improve and give constant attention to our customers' needs.



OUR SECTORS OF EXPERTISE

Thirty years of experience in the metrology industry, with the constant updating of skills and continuous extensions in accreditation, allow us to offer our services of gauge calibration and management in the fields of length, strength, temperature, pressure and electric sizes, for many different industries.



EARTHMOVING



OIL & GAS



AUTOMOTIVE



AEROSPACE



TRANSPORTATION



ENGINEERING AND RESEARCH



CONSTRUCTION



MEDICAL



METROLOGY AREA

SOME OF THE INSTRUMENTS THAT WE CAN **CALIBRATE**

- BORE GAUGES
- PLAIN, THREADED AND SPLINE RING AND PLUG GAUGES
- HEIGHT GAUGES
- ZERO SETTING EXTENSIONS
- SINE BAR, JAWS FOR BLOCK GAUGE HOLDERS
- SCALES, DYNAMOMETERS, LOAD AND TORQUE CELLS
- ANGLE AND PARALLEL GAUGE BLOCKS
- TEMPERATURE CALIBRATORS
- VERNIER CALIPERS, SNAP, COMB, WELDING AND TAPER GAUGES
- ROUGHNESS MASTERS, STEP GAUGES AND MASTERS WITH SPLINE
- CLIMATE CELLS
- TORQUE WRENCHES, SCREWDRIVERS AND SCREWERS
- LEAK DETECTORS
- DIAL GAUGES WITH PLUNGER AND LEVER, INTERNAL OR EXTERNAL
- DIAL GAUGES
- STOPWATCHES
- DIAMETER MEASURING INSTRUMENTS
- RANGE FINDERS
- HARDNESS TESTERS AND MASTERS
- MEASURING AND METER TAPES, RULERS
- PROTRACTORS AND LEVELS
- MANOMETERS AND PRESSURE TRANSDUCERS
- OUTSIDE, INSIDE AND DEPTH MICROMETERS
- AXIAL GAUGES
- ODOMETERS
- CLAMP METERS AND MULTIMETERS
- REFERENCE SURFACES, LINEAR AND ANGLE RULERS
- OPTICAL GLASS SCALES
- SIEVES
- FEELER GAUGES WITH DIAL GAUGE, COATING AND ULTRASONIC
- THICKNESS GAUGES
- CALIBRATED SHIMS
- TACHOMETERS
- THERMOMETERS, HYGROMETERS AND THERMAL IMAGERS
- GRADUATED GLASSES
- OPTICAL INTERFERENCE GLASSES

For further information, please visit our online-catalog following this link:
www.sdm-measuring.it

GUARANTEED CALIBRATION IN 7 WORKING DAYS

A constant search for efficiency and optimal procedures, which are monitored in every single step, are the keywords that allow S.D.M. Measuring Instruments to offer its customers **calibration and inspection services in 7 business days lead time.***



*The 7 working days are guaranteed if the order is approved on the second day of the workflow.

“CALIBRO” CALIBRATION MANAGEMENT SOFTWARE

Calibration and much more: **S.D.M. Measuring Instruments** offers their customers CALIBRO, a calibration management software.

Through a cloud connection to the platform and an individual password, our customers can manage the metrological confirmation of their equipment in complete autonomy. After creating the equipment sheet, defining MPE (maximum permitted error) and calibration frequencies, customers will add the event to the equipment sheet, attach the calibration certificate to the sheet and evaluate the metrological confirmation and the equipment drift, and finally deal with calibration frequencies.

Beside letting customers autonomously manage their equipment, **the CALIBRO software** enables them to automatically obtain equipment sheet updates, certificate filing, metrological confirmation and drift analysis in any calibration made by S.D.M.

Moreover, when creating the account and starting the **CALIBRO software**, S.D.M. Measuring Instruments can take care of creating equipment sheets by importing your equipment data from an old management software into CALIBRO.



YOUR CONTACT PEOPLE

SDM Measuring Instruments co-founders **Alessandro and Simone Landucci** have joined their efforts to meet the needs of the growing market of quality certifications. Thanks to their solid on-field experience, they have established a company that has always been focused on meeting client requirements.

Through a consistent and widespread presence on the territory, the strengths of **SDM Measuring Instruments** include thoroughly understanding the client's needs and creating customised offers in line with their requirements.

Today, despite SDM Measuring Instruments' growth, Alessandro (**Area Manager & Sales Director**) and Simone (**Technical Manager**) still have an active company role - as such, they operate directly on the territory by helping users and becoming, as a result, the go-to people for them and for their entire organisations.

Below you will find a brief introduction to the structure of the SDM Measuring Instruments teams, which always work cooperatively despite their tasks are carefully distributed:

Alessandro Landucci

alessandro.landucci@sdm-measuring.it ✉



Simone Landucci

✉ simone.landucci@sdm-measuring.it



THE SPECIALISTS WORKING AT **SDM**



Sales

The sales team has the goal to serve as the reference point as well as the interface between the client and the calibration centre. It deals with client requests and draws up custom-made quotations to meet their needs. Contact person: **Giulia Vannini**

✉ commerciale@sdm-measuring.it



Service

The service team takes care of the materials received by SDM, creates an order confirmation which includes not only a summary of the applied prices, but also the operating instructions for the laboratory, based on the requested guidelines. Contact person: **Marco Nugnes**

✉ service@sdm-measuring.it



Laboratory

The laboratory has the most operating role: it takes care of calibrating the received materials following the client directions. At the end of the process, it delivers a calibration report or the LAT certificate by Accredia, confirming the executed activities. Contact person: **Marco Pierozzi**

✉ laboratorio@sdm-measuring.it

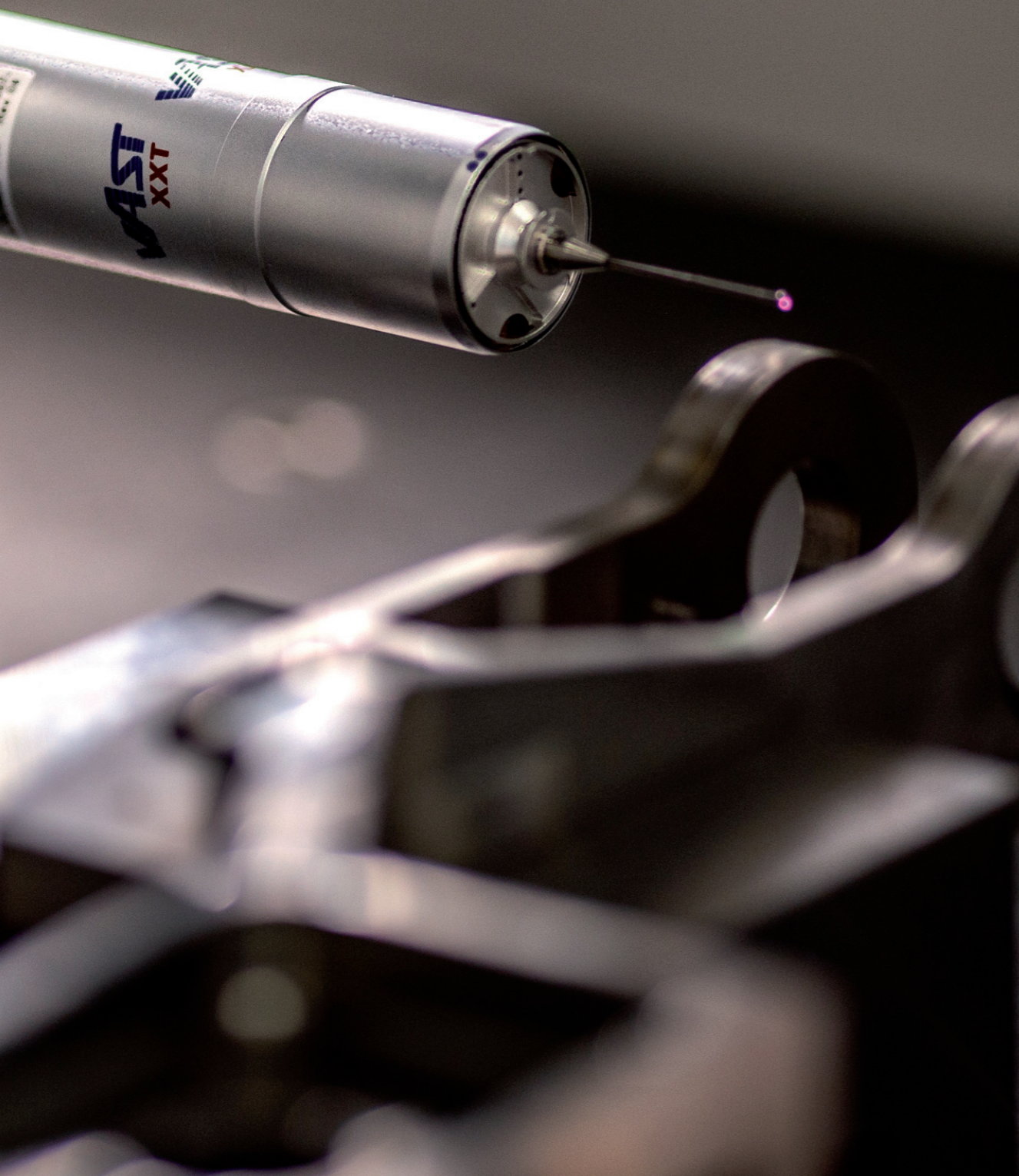


Logistics

The logistics team prepares shipments, takes care of packaging and contacts carriers. Contact person: **Francesco Mazza**

✉ magazzino@sdm-measuring.it

BE SURE
TO FIND EVERYTHING
YOU NEED



MEASURING INSTRUMENTS REPAIR SERVICE

In order to offer a global service to the customer, and to complement our main calibration services, we also offer measuring instruments repair services with guaranteed and certified results.

Our **laboratory** checks that the repair has been perfectly done, confirming the **metrological performance** of the gauge/measuring instrument.

Repairs are performed on different brands of metrology instruments, such as TESA, MAHR, COMPAC, ETALON, MAUSER, BORLETTI, ALPA, BOWERS, MITUTOYO, KAEFER, KROEPLIN, RAMBOLD etc.

Cooperation with partner service centers allows us to also manage the repair of tools for measuring units other than dimensional units.

DIMENSIONAL TESTS

We also support the customer in product compliance inspection. We carry out dimensional tests on manufactured goods for batches of products of any size.

Dimensional tests are carried out in the same metrological rooms where measuring instruments are calibrated ($20^{\circ}\text{C} \pm 0,5^{\circ}\text{C}$), using state-of-the-art equipment such as a Zeiss CMM.

In addition, the same tests can be performed directly at the customer's premises using portable three-dimensional measuring systems, such as anthropomorphic arms and/or laser systems (tracker).

OUR COURSES

The mission of a **LAT calibration centre** cannot be achieved without a range of courses specifically designed for the industry and for those who work with measurement tools on a daily basis. The expertise and know-how of our specialised technicians allow us to offer a wide range of courses in several metrological fields, aimed at spreading technical knowledge and raising awareness about the importance of metrological confirmation and product conformity through both theory lessons and hands-on sessions.

All courses may be held at our premises or at the customer's location.

A few examples of our courses:

- BASICS OF METROLOGY
- OPERATING METROLOGY
- METROLOGY - VERIFICATION OF PRODUCT CONFORMITY AND METROLOGICAL CONFIRMATION
- METROLOGY - ISO TOLERANCES AND COORDINATE METROLOGY
- METROLOGY – IATF STANDARD
- METROLOGY – ROUGHNESS AND PROFILE
- METROLOGY – ERRORS IN SHAPE, ROUNDNESS, CILINDRICITY, CONCENTRICITY, ETC.
- METROLOGY - TIGHTENING TORQUE AND THE STANDARD DIN EN ISO 6789:2017

ALWAYS BY THE CLIENT'S
SIDE IN METROLOGY TASKS



**CALIBRATION AND
MANAGEMENT
OF MEASURING
INSTRUMENTS AND
GAUGES**

Metrological laboratory of
calibration – compliant with
UNI CEI EN ISO/IEC
17025:2018



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