# Metrology Laboratory

- Accredited Calibrations by ENAC (ISO 17025).

  Acreditation #22/LC10.014

- Customized calibrations in laboratory or in situ.

- Training and consulting.

- Fixing and adjustment of measuring equipment.

- Management of calibration plans.

ilac-MRA

ENAC
CALIBRACIÓN
Nº 22/LC10.014


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## Metrology Laboratory

SEPI

## Electric Area

- On site calibration of automatic or manuals welding machines up to 2500 Amps.

- Calibration de multimeters, amperimeters, voltimeters, amperometric clamps, etc...

- Welding parameters register.

## Temperature Area

- From -112ºF up to 1.832ºF with uncertainties from 32,18ºF.

- Temperature recorders, temperature simulators and TLD on site verifications.

- Characterization and calibrations of temperature baths and furnaces.

## News accreditations by ENAC

- Welding machines.

- Distance meters.

## Pressure Area

- Hydraulic pressure gauge calibration up to 72.519 PSI and neumatic up to 290 PSI.

- On site calibrations up to 40.611 PSI, PH register

- Calibrations of vacuum equipment up to 0,0001 mbar and total pressure.

- Verifications of safety valves, pressure recorder and pressure switch.

## Dimensional Area

- Measuring bench up to 157,48 inches with uncertainties to 0,09µm.

- Calibrations of any dimensional equipment, axis aligners, distance meters, tooling, tracker measurements and 3 coordinates.

- Localized machine verification positioning with laser interferometer, Tracker and Geometry.

## Other Calibrations and Verifications

- Verifications of explosimeters.

- Calibrations of densitometers, radiographic films, thinkness measuring devices, U.T, gas flowmeters in welding machines, special machines and equipment (pendulum Charpy plastics, VICAT, elasticcometers, resistance, tearing and fragility).

- Development of customised calibrations procedures.

## Torque Area

- Calibrations of torque equipment from 0,2 N.m up to 80.000 N.m, torque wrenches, and analyzers, torque multiplier, electric torque wrench and hydraulic torque wrench.

- Calibrations on site of torque equipment.

## Mecanic Tests Area

- Calibrations of dynamometers and bolt tensioners up to 2000kN.

- On site calibrations in Charpy ASTM impact machine and Brinell, Rockwell and Vickers hardness equipment.

- Engine/axle aligners.

- Electric screwdrivers.