



MULTI

LAB

T E S T I N G





MULTI

LAB

T E S T I N G



Materials Testing

LABORATORY

MULTI LAB

04

MultiLab Testing Ltd is an independent laboratory, offering services in the field of engineering, with specialization in Materials Testing and Calibration Services.

It combines all material testing, calibration services and machining operations in a single, state-of-the-art facility. **MultiLab Testing Ltd** constantly reinvests in the best technology and professionals, to ensure the highest quality laboratory services and reliable results. Its team of specialists work together to deliver superior services, support and solutions to their clients. The laboratory is operated according to international standards covering extensive physical, analytical and chemical tests. The laboratory is equipped with the latest technology of automated test systems, functioning under strictly controlled environmental conditions.

LABORATORY CAPABILITIES

METALS, ALLOYS AND METAL PRODUCTS

Mechanical Testing

- Tensile properties, Compression properties, Bend performance, Macro hardness testing (Vickers, Brinell, Rockwell), Charpy impact testing (CVN)

Chemical Testing

- Elemental analysis using OES (Ferrous alloys, cast iron, stainless steel, aluminium etc)
- Elemental analysis using ICP and XRF (Lead, Tin and Zinc alloys, gold, silver etc)

Physical Testing

- Dimensional assessment (length, diameter, angle, squareness, flatness, roughness etc)

Metallurgical Testing

- Microscopic and Macroscopic analysis of material structure

CONSTRUCTION MATERIALS

Steel Bars & Steel Fabric for Reinforcement of Concrete

- Tensile properties, Re-bend performance, Weld shear performance, Hardness testing, Geometrical characteristics, Chemical elemental analysis

Structural Steel Products

- Tensile properties, Bend performance, Hardness testing, Dimensional assessment, Chemical elemental analysis

Steel Wire and Wire products, Steel Fencing Materials, Bolts, Screws and Studs

- Tensile properties, Hardness testing, Dimensional assessment, Chemical elemental analysis

Steel Corrugated Sheet Beams & Posts for Guardrail

- Tensile properties, Hardness testing, Dimensional assessment, Chemical elemental analysis

COATINGS

Physical Testing (paints, galvanizing, nickel plated, epoxy)

- Coating thickness – methodologies using ultrasonic, microscopical etc

Analytical Testing (zinc coated articles)

- Mass per unit area (zinc coated articles)

Chemical Testing (all types of coatings)

- Elemental analysis (XRF method)

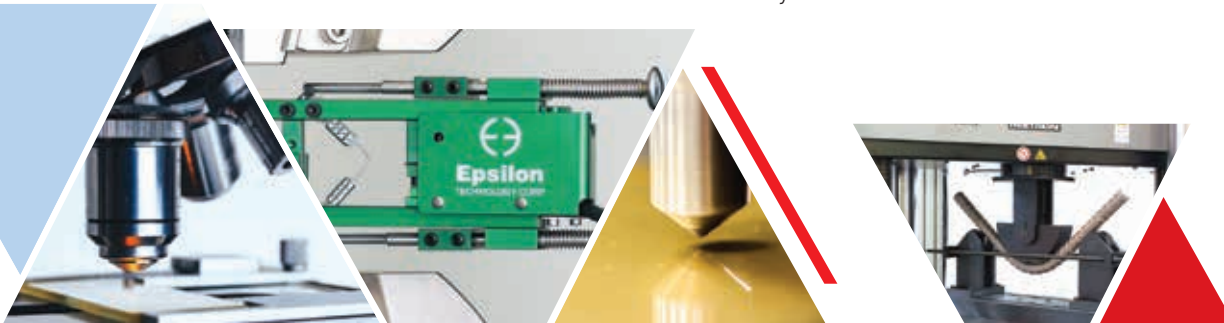
WELDING

Mechanical Testing

- Tensile Properties, Bend performance, Charpy impact testing (CVN), Fracture test, Macro hardness testing (Vickers, Brinell, Rockwell)

Metallurgical Testing

- Macroscopic and Microscopic examination
- Visual Inspection





Calibration

LABORATORY

MULTI LAB

06

MultiLab Testing Ltd's metrology laboratory provides fast, affordable and reliable inspections, measurements and calibration services. All results are traceable to stated references of national standards, through an unbroken chain of comparisons. In addition, the traceability and uncertainty of measurements is validated by a meticulous internal laboratory process. The technician team encompasses years of effective experience, and is supported by skilled personnel dedicated to providing clients with the most efficient assistance.

MultiLab Testing Ltd serves a broad range of industries, including the industrial sector, the marine industry, the construction industry and the government. As well as, official institutions, industrial organizations, market control authorities, research and academic establishments, and certification organizations.

LABORATORY CAPABILITIES

Temperature

- Immersion, penetration and air probes/thermometers
- Dataloggers, temperature indicators
- Infrared measuring devices

Humidity

- Electronic hygrometers/transmitters
- Mechanical hygrometers, psychrometers, dataloggers

Pressure

- Electromechanical manometers, pressure transducers, transmitters
- Differential pressure measuring devices
- Absolute pressure measuring devices, barometers

Force

- Load cells, proof rings
- Torque meters, torque wrenches

Electrical

- Multimeters, clamp meters,
- Resistance meters, capacitance meters
- Luxmeters and Lightmeters
- Sound Level Meters

Dimension

- Vernier callipers, micrometers,
- Depth gauges, height gauges
- Coating thickness gauges





1 Agriniou Street 3066,
Limassol - Cyprus
Tel: +357 25 336520
Fax: +357 25 384988
info@multilab.com.cy

www.multilab.com.cy