



RENAISSANCE EQUIPMENT LLC

We meet your testing needs

**UAE | OMAN | BAHRAIN
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We meet your testing needs

Company Introduction:

Renaissance Equipment LLC functions as the channel partner for renowned global brands of Analytical and Physical Testing Equipment, representing them throughout the entire GCC region.

Our comprehensive range of products caters to various laboratory testing requirements, facilitating precise material composition analysis to ensure the quality and integrity of products at every operational stage. We cater to a diverse array of industries, including steel and metals, foundries, scrapyards, automotive, food and beverage, cement, energy and power, plastic and polymer, paper, chemical, petrochemical, educational institutions, and more.

Supported by our team of certified engineers, we provide services which include sales, technical support, installation, calibration, maintenance contracts and on-site training. This positions Renaissance Equipment as a comprehensive solution provider to meet the laboratory testing needs of the region.

Brands we represent:

G.N.R S.R.L. (Italy)



Galdabini (Italy)



IKA (Germany)



Gibitre (Italy)



Elemental Analysis

Optical Emission Spectrometry (OES) is an analytical technique used for the qualitative and quantitative analysis of the elemental composition of materials. It is employed in various industries, including metallurgy, manufacturing, and environmental analysis, for its ability to provide rapid and precise elemental analysis of metals and alloys



Minilab



S7 Metal Lab Plus



S9 Atlantis

X-ray diffractometer (XRD), Residual Stress Measurement and Retained Austenite Analysis

XRD is a scientific instrument used to analyze the crystal structure of materials by measuring the diffraction pattern produced when X-rays interact with a crystalline sample. XRD is widely used in materials science, geology, chemistry, and physics for studying the atomic and molecular structure of various substances

EXPLORER

The modularity and the flexibility of the GNR X-Ray Explorer allows to start with an entry-level system GNR could supply a wide range of X-ray sources, optics, sample holders.



Stress X

6-axis robot with positioning accuracy & repeatability as low as 20 μm and positioning range as high as 895 mm radius from robot center.



AREX

AreX Laboratory is a fixed angular range X-Ray Diffractometer equipped with the most modern technical features which grant accuracy, precision, safety and easiness of use, especially designed for quantitative determination of Retained Austenite.



Spider X

The head of the goniometer rotates along a curved sector of 90 degrees, The 2Theta angle can be changed from 135° to 165° in order to analyze Fe (ferrite, austenite), Al, Ni, Cu, Ti and Mg Alloys.



Metal Testing Solutions



SERIES QUASAR

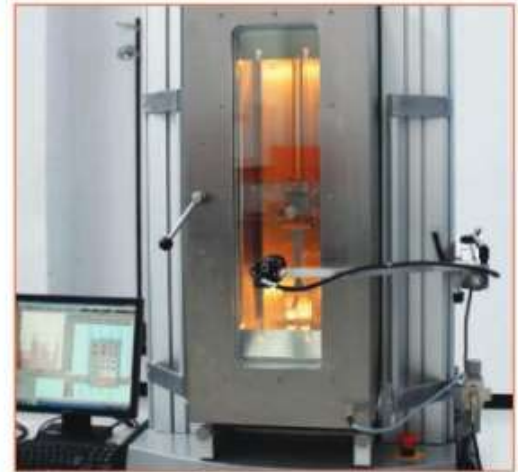
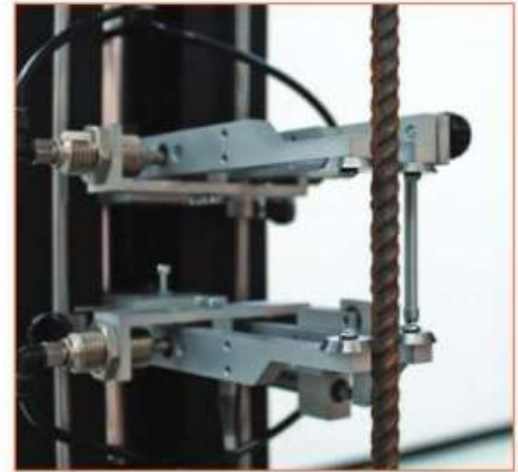
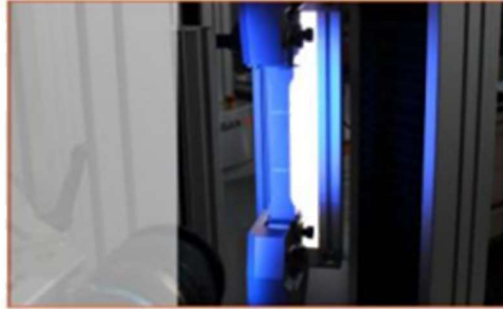
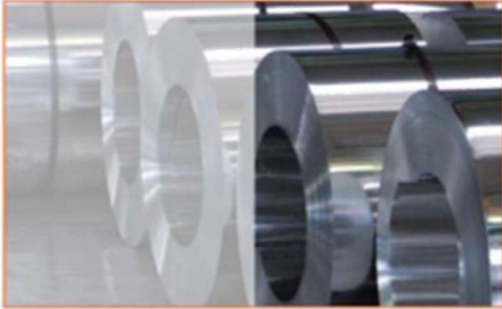
A wide range of electromechanical material testing machines suitable for bidirectional tests:

- Tensile
- Compression
- Flexure
- Bending
- Cycle constant load



IMPACT LINE

Following Charpy and Izod methods for resilience testing



IKA – YOUR RELIABLE LABORATORY PARTNER



Innovative laboratory solutions for your research



reddot award 2018
winner industrial design



reddot winner 2022



BIOREACTORS



MIXING



HEATING / COOLING /
TEMPERING



LIQUID HANDLING



MEASURING VISCOSITY



VACUUM TECHNOLOGY



CRUSHING



LABORATORY SOFTWARE



SEPARATION



ELECTROCHEMISTRY
FLOW CHEMISTRY



REACTOR SYSTEMS



CALORIMETRY



ROLLER



ROCKER



VORTEX MIXER



**RECIPROCATING &
ORBITAL SHAKER**



INCUBATION SHAKER



**DIGITAL MICROTITER
SHAKER**



TWISTER



CENTRIFUGE



HEATING BATH



DECOMPOSITION SYSTEM



HOT PLATE



DISPERSER

Mechanical Testing Equipment

RHEOLOGY



RheoCheck MD - Drive



RHEOCHECK OD - Drive



MooneyCheck - Drive



Constant Volume Sample Cutter

PHYSICAL TESTING



Tensor Check Profile - PC



Density Check - PC



Rebound Check



Tackiness Check - PC

HARDNESS TESTING



ACCREDIA Calibration Service



Automatic Hardness Check - Drive



Multiple Scale Hardness testing



Manual Digital Hardness Check - Drive

AGEING CHARACTERISTICS



Ozone Check - UV



Flammability Check



Block Oven Aging Check



Compression Set - Drive

APPLICATIVE CHARACTERISTICS



Low Temperature Check



De Mattia Fatigue Check



De Mattia Fatigue Check - Plus



Abrasion Check

SAMPLES PREPARATION



Laboratory Press - Drive



Splitting Machine



Multi-Head Die Cutter



Die Cutters