
DRC[®]

Diagnostic Research Company
Non Destructive Testing

COMPANY PROFILE

ABOUT US

DRC was founded in Italy in 2010 and may be considered a benchmark for the expertise and experience acquired since 1978, when the first production of *Non Destructive Testing* equipment (NDT) in the civil and industrial engineering sectors was realized.

Today, DRC is an *innovative Italian Company*, also specialized in the design and production of *fatigue testing machines*, realized with our new brand *LiTeM Life Testing Machines* to test the performance of individual components and complex assemblies.

DRC boasts an experienced team of young engineers and professionals, specialised on-site and laboratory measurement engineers, technicians who believe that *Research* and *Development* are the keys to innovative, high performance products. For this reason, a large part of our business resources are devoted to Research & Development.

The entire cycle of production, from concept to fabrication to aftersales, is completely Italian, with the renowned quality of *made in Italy* products.

As has been established practice, our products are subjected to rigorous *IQFA* (Indice Qualità Fornitore Ambiente - Vendor Environmental Quality Index) *controls*, to ensure environmental compatibility.

DRC also invests in *Training*, organising courses and seminars in a variety of survey methodologies, in both the civil and industrial sectors.

Teaching the practical use of the instruments is one of the main aims; for this reason ample space is given to *laboratory tests*.

The synergy between innovative technology, many years of experience and our commitment to customer satisfaction is what generates the added value of our products - reliable, high performance and precise.

The Company structure is based on:

- o Manufacture of Non Destructive Testing Equipment (NDT) and Fatigue Testing Machines (LiTeM Life Testing Machines)
- o Research & Development
- o Training
- o Service & Assistance

According to our company sales policy, all products are supplied both directly to the end-user and through *authorized distributors* in the Italian and foreign markets.

In both cases, pre-and-after sales care services are equally guaranteed to customers by DRC's offices.

MISSION

The most important asset at DRC is our ability to combine *technological growth and reliability* with unbeatable attention to the *client's real needs*. This is what makes DRC the ideal partner for professional technicians and distributors who are looking for competitive products and high level quality standards.

The company's experience gained in over thirty years of market presence, their specialist and *certified personnel* and the continuing resources utilised in the field of Research and Development allow us to offer practical and reliable technical solutions as well as on-site and laboratory *performing measurement systems*.

Our aim is to make *excellent quality and performant products*, with renowned warranty of made in Italy, short supply chain and using selected materials and low environmental impact.

The manufacture of testing equipment is DRC's *core business*.

Depending on the instrumentation and methods, tests can be divided into destructive and non-destructive testing.

Destructive Testing is based on experimental tests normally run in the laboratory, on samples taken from existing structures; these tests usually involve peeling plaster, lifting the floor covering, coring of masonry, etc., operations that can damage buildings which are potentially already degraded.

Non Destructive Testing, on the other hand, has the advantage of providing information about potential deterioration without compromising the aesthetic or structural condition of the building.

However, it is often necessary to compare the results of both types of testing to obtain precise and complete answers.

V *Structural Diagnosis*

By collecting experimental data together with environmental, climatic, historical and structural information, the diagnosis makes it possible to determine the causes of structural deterioration and degradation of materials.

Diagnosis requires the use of specific instruments: rebound hammers for concrete, wood and mortar, ultrasound, load test systems, monitoring, deformation meters, flat jacks, endoscopes, and instruments for shear tests on masonry.

V *Foundations*

The main tests on foundations are: deep foundation tests, static and dynamic load tests, integrity tests.

The equipment produced by DRC and used for this kind of testing includes soil penetration meters and pile loading and lift kits.

As official and exclusive distributor for Italian territory, DRC sells equipment produced by Pile Dynamics, Inc: Pile Integrity Tester (PIT), CHAMP Cross Hole Analyzer, PDA dynamic load tests, CAPWAP, GRLWEAP, SPT Analyzer, Thermal Integrity Profiler (TIP).

V *Vibrations*

Vibration monitoring checks the dynamic behaviour of a structure and predicts deterioration and harmful situations.

In order to study the dynamic behaviour of structure, DRC produces and sells specific instruments: vibrodyne, dynamic and static monitoring systems, datalogger, systems for measuring the vibration of buildings and structures, dynamic data acquisition devices, seismic accelerometers, and traffic and work vibration monitoring kits.

V *Laboratory*

Instruments for destructive testing on construction materials manufactured and sold by DRC: geotechnical and official laboratory testing machines, pursuant to Law 1086/71, presses, universal machines, tests on mortar, BCA, portals for dynamic tests.

RESEARCH & DEVELOPMENT

Research & Development represents the *beating heart of the Company*, in which many resources are used and medium-and long-term investments are made in development and know-how.

Innovation is the most important asset for increasing the quality and performance of production and, at the same time, perfecting our technicians' skills and competencies.

Many years of experience in non destructive testing, measurement and testing make DRC a cutting edge company and a *byword for safety and reliability*.

Thanks, in part, to the significant collaboration with professionals in the engineering, geological and architectural fields and major *Universities and Research Centres*, DRC has completed many projects for re-evaluating and upgrading Italy's building assets.

TRAINING

DRC is a modern training centre that develops and organises *training and specialisation* in particular in the field of Structural Diagnosis, for professionals and technicians who work in non destructive testing.

The courses are intended for professionals with a diploma or degree in science (surveyors, industrial experts, engineers, architects, geologists) and public administration technicians.

Each course is structured to include theoretical and practical laboratory work, since this is a fundamental requirement for technicians on site.

The teachers are *certified professionals*, pursuant to ISO 9712:2012.

A *Certificate of Training* is issued at the end of the course, which allows access to the level certification exam, as envisaged by the AJA Europe Certification Regulation.

Courses:

- Rebound hammer survey
- Ultrasound survey
- Magnetometer survey
- Thermografic survey
- Crack monitoring
- Flat jacks
- Static load tests
- Dynamic monitoring
- Integrity tests on foundations

DRC also organises *on-site training courses* for professional associations, public administration technicians and private companies employees. Courses can be organized all over Italy.

DRC is an *AJA Registrars Europe Srl Examination Center* for Level 1° and 2° and certification of non-destructive testing staff in the civil and industrial sectors, pursuant to ISO 9712: 2012.

SERVICES & ASSISTANCE

On request, the Company provides pre- and after-sales service, including on-site.

Further services:

- V Hot hire with operator
- V Equipment testing
- V Calibration

CERTIFICATIONS

ISO 9001:2008; ISO 9712:2012.

PARTNERS



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