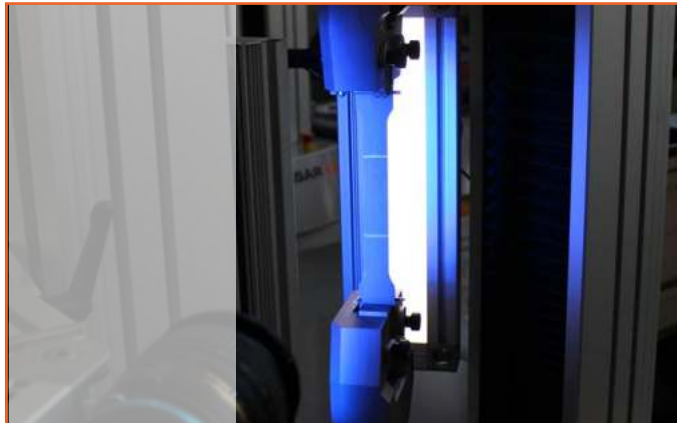




Metal Testing Solutions





1890

Our Heritage

Founded in 1890 and fully owned by the Galdabini family, the company has its headquarters close to Milan.

The company has always been innovative - the initial artisan activity of maintenance and repair of the local textile factory soon evolved into the construction of machines for the mechanical industry.

Nowadays, we design and manufacture universal testing machines, straightening machines and hydraulic presses.

Core Values

Galdabini's philosophy is to work with dedication and commitment, putting the customer first.

Innovation is our culture.

Finding technological solutions to meet customer needs is our common goal.

Challenges inspire our passion.

Customer **First**

How do we satisfy your needs and requirements?

Providing our customers with the best know how, experience and service

We supply the highest quality products, innovative technology, expert support and world-class service.

With more than 125 years of experience in the material testing industry, Galdabini instrument systems are found in applications and industries such as plastics, metals, composites, elastomers, components, textiles, aerospace, automotive and biomedical.



Series Quasar

Product Portfolio

A wide range of electromechanical materials testing machines suitable for bidirectional tests: tensile, compression, flexure, bending, cycle, constant load and many others according to International Standards or customer procedures.



Quasar Line at a glance

Single Column Benchtop for Low - Force Testing:

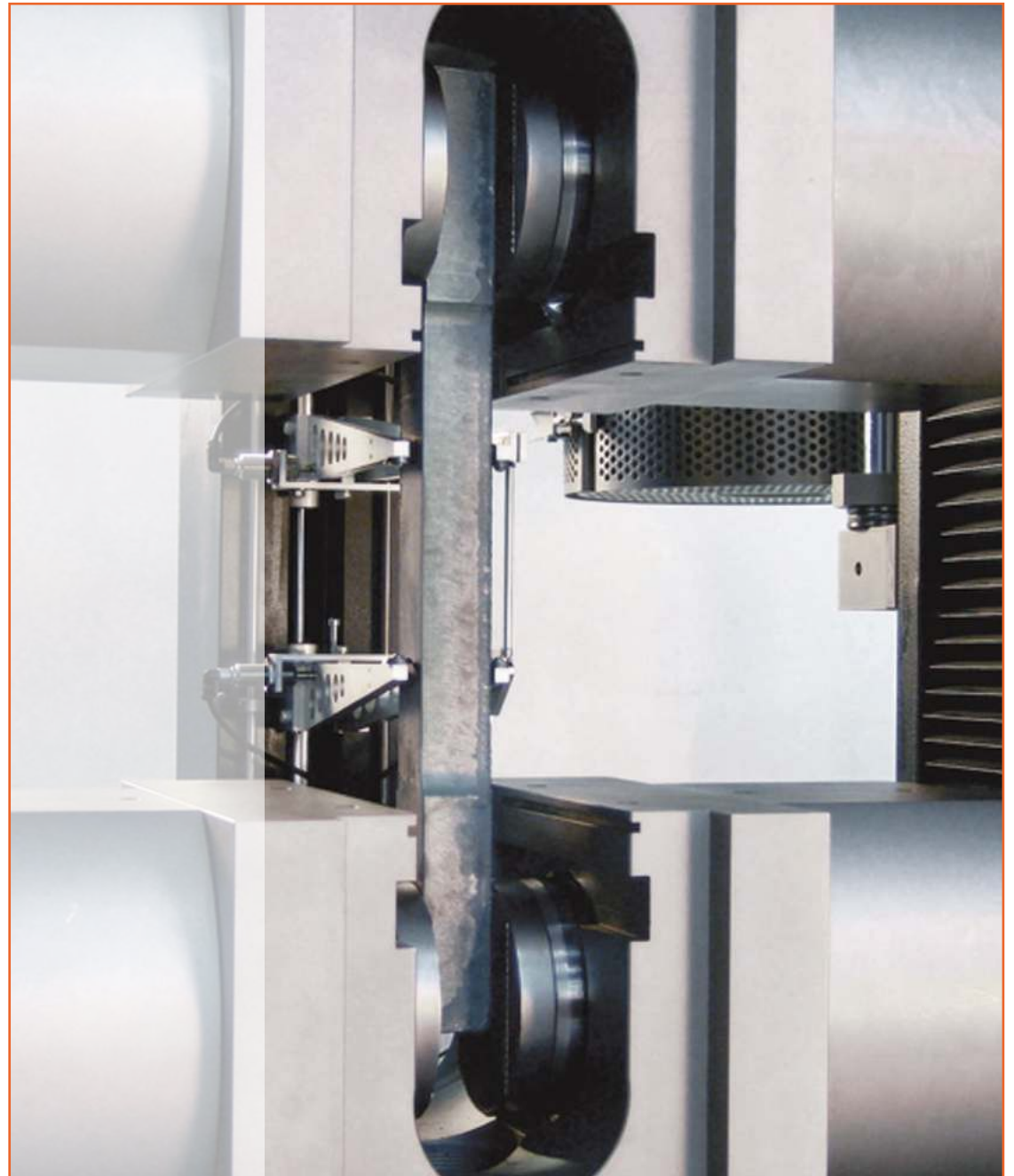
- Capacities up to 2,5 kN
- Small dimensions, high performances
- Commonly used in microelectronics, wires, small components, textiles, plastic films, rubber.

Dual Column Benchtop for Mid - Force Testing:

- Capacities up to 100 kN
- Multi-purpose, versatile requirements
- Used for automotive and aerospace industry, non-ambient temperature applications; metals, plastics, wood, composites, technical textiles.

Dual Column Floor Model for High - Force Testing:

- Capacities up to 2000 kN
- Tough, Heavy-duty frames
- Used for high-strength metals and alloys, bolts, fasteners, steels plate, elaborate components for automotive and aerospace industry.

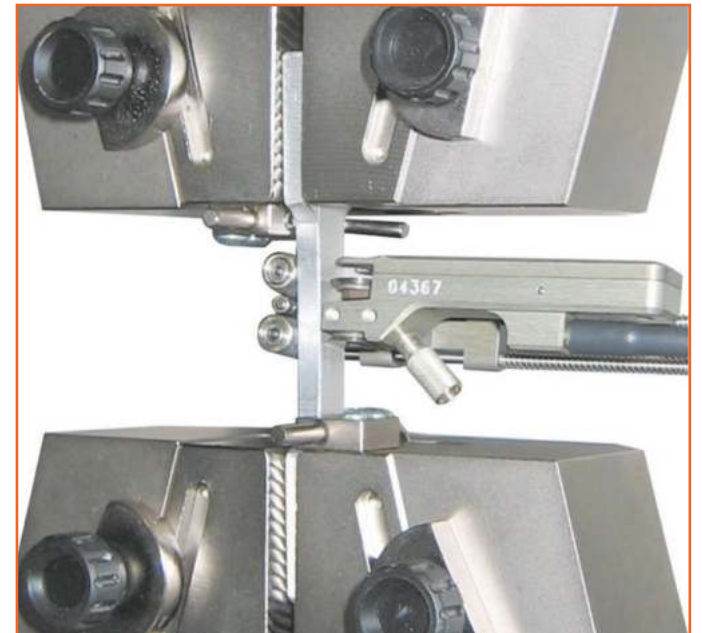


Applications

Galdabini has a wide range of customised solutions for specific applications and in accordance with International Standards. Our expertise allows us to meet our customers' requirements by providing the best testing equipment, gauges, and accessories.

If you wish to see more details about applications and accessories please contact us at: info@galdabini.it



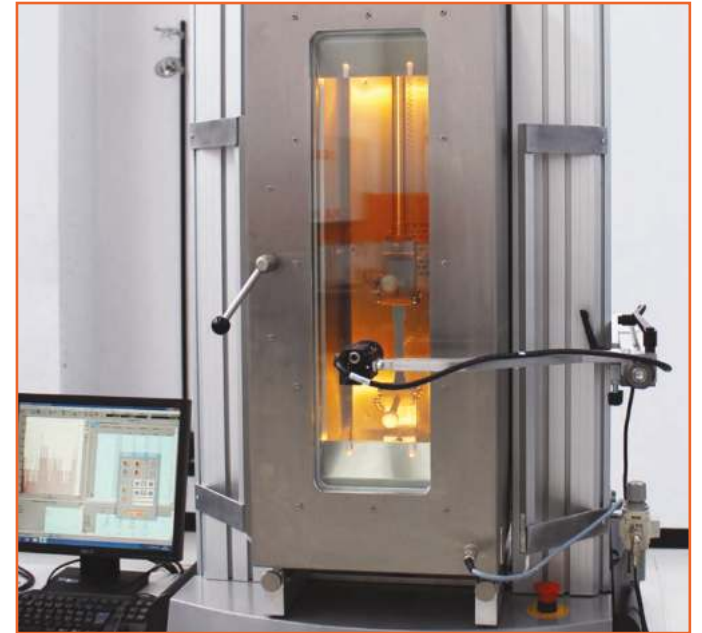
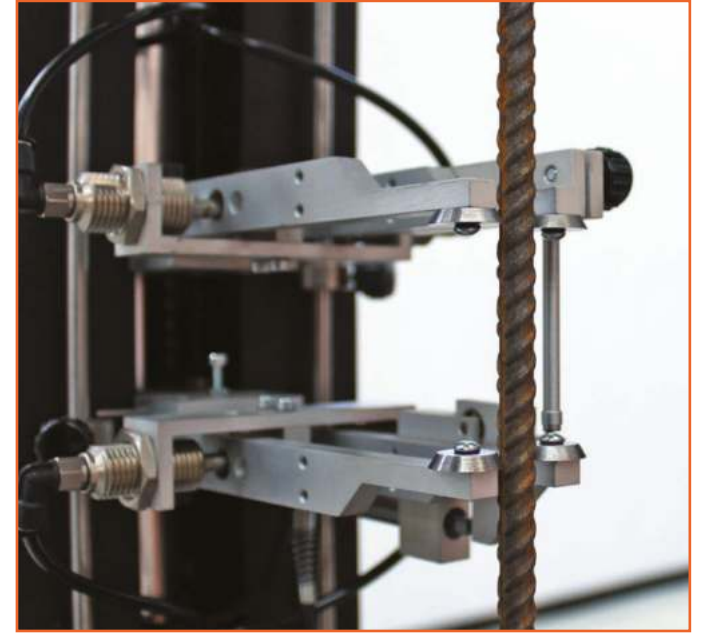


Details that make the Difference

The design and manufacturing of fixtures and extensometers take place internally at Galdabini. This allows us to have complete control over testing processes, which are in full conformity with ISO / ASTM / JIS / GB Standards, enabling us to entirely guarantee our testing machines.

All machining and assembly of testing machine frames, crossheads and major components take place in-house at our Galdabini factory.





Software

Performance beyond your expectation

Labtest is a modern operating system offering various applications. It has been designed and updated by the Galdabini software team, paying particular attention to customer requirements. The software is divided up into specific industry sectors to simplify making a test and only showing relevant results, typical of that sector.

Labtest runs on all the latest gadgets such as smartphones and tablets. The simple software and the user friendly interface allows ease of use for the operator.



Building



Semi- Finished products

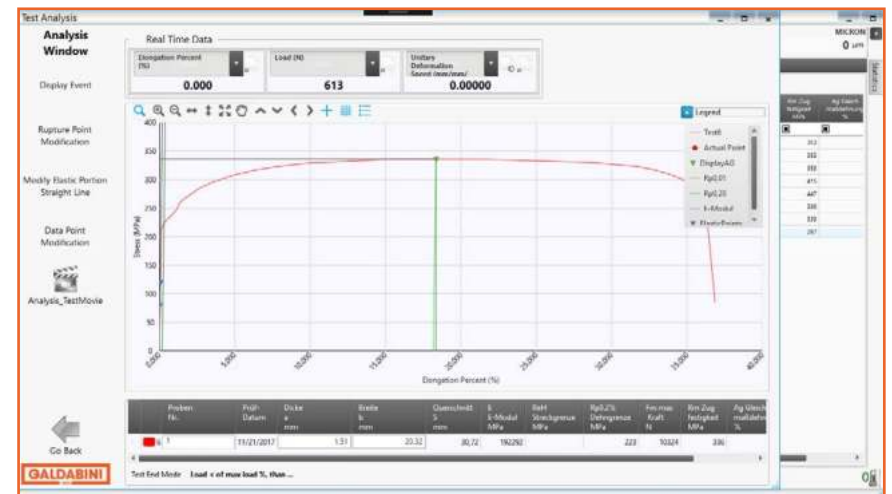


With pre-defined test methods, it has the ability to automatically import and export data, statistics and traceable results. Compatible with the latest and future Windows releases, it allows data exchange with management software through standardized file formats and QDAS systems.

For full customer support, Galdabini offers on-line assistance through the “team viewer” module, which allows prompt set up training and problem solving of the machine (see page 18).



Metal



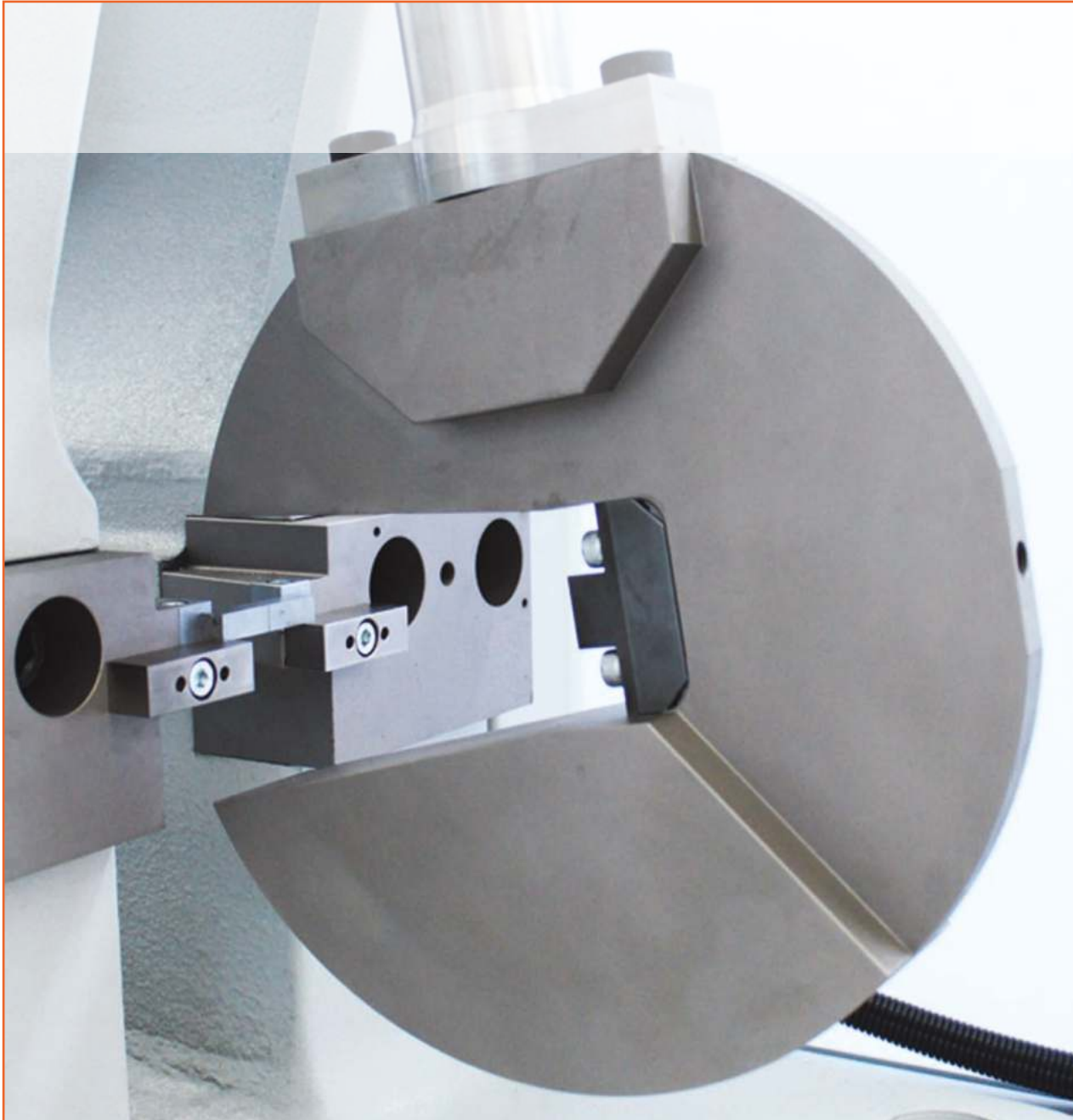
Impact Line

Product Portfolio

A complete range of impact machines for testing resilience covers nominal energy of 300, 450, 600-750J, following both Charpy and Izod methods.

A variety of specimen-preparation machines, thermostatic chambers, instrumented knives and many useful accessories for instrument set-up are available on customer request.





Robotized Systems Line

Galdabini is a pioneer in automation technology applied to industrial equipment. The software engineering department's dedicated team develops solutions for robotized testing systems with the integration of Quasar tensile and Impact resilience testing machines. The winning synergy between testing machines, robots and warehouse systems for specimens grants users high productivity and repeatability of results with limited human attendance.

Robotized systems are governed by a GTA area controller and a dedicated PLC, connected through Ethernet line. This set up allows an intensive and reliable 24 hour operation with lasting performances.

Two lines of solutions are available: Multi and Compact Line, with six and three-axis robots respectively.





Be Galdabini

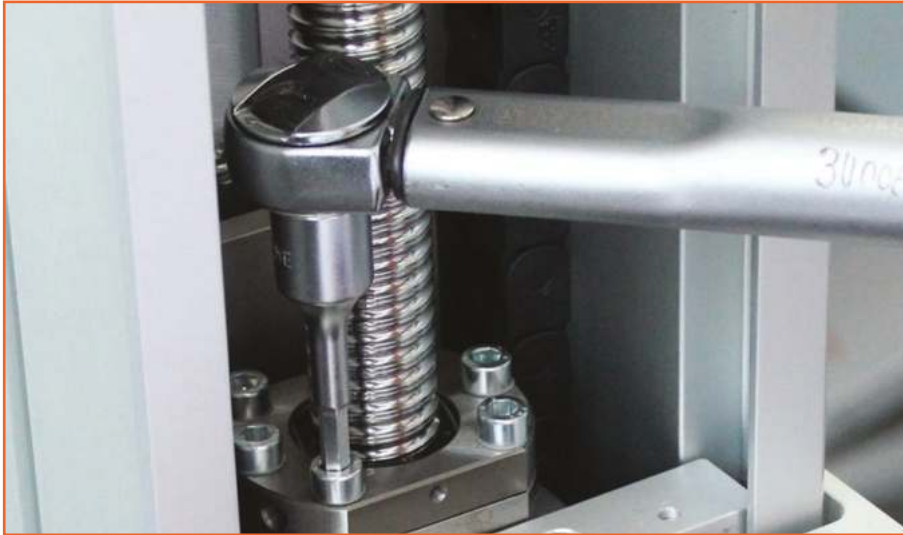
What is competence for customer?



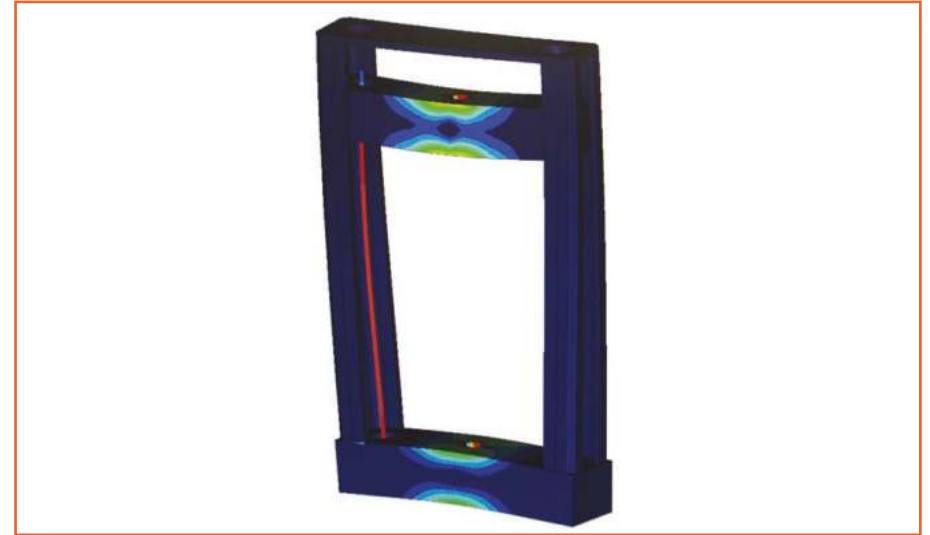
Galdabini electronic board is designed and made by using high-quality components at the best state of the art. Widely used in heavy industrial application, the board offers important distinguishing features such as a data acquisition frequency starting from a standard of 500 Hz expansion capability. High reliability grants an accurate use even in the presence of difficult environmental conditions. Thanks to exceptional performance features, this solution is applied to both robotized systems, subject to intensive use, as well as on stand-alone testing machines.



Galdabini is a manufacturer of dead weight primary force machines, installed at major official national metrological research centres. The Galdabini metrological centre in Cardano al Campo uses its own dead weight primary force machines of 500kN for the purpose of accurate internal calibration of load cells.



We have been manufacturing ball-screw driven testing machines for more than 30 years. Over the years we have supplied several thousands of machines worldwide to some of the most important players. Ball screw quality is extremely reliable and meets the best ISO Standards. Expert assemblers ensure a perfect assembly of frames and ball screws, to guarantee precise coaxial mechanical alignment of grip connections.



Galdabini instrument frames and fixtures are designed using 3D parametric programs. Frames are verified by means of Finite Elements Method (FEM) that allows to evaluate the stress and the behavior under working load. The use of this technology brings huge benefits to the product through the correct dimensioning of the frames and all installed components. The guarantee to have lean and sturdy structures, at the same time, is an important step supporting the user. An intensive activity of research and development allows to improve the projects through solutions that meet the ergonomics of machines and equipments. In addition, specific studies, commissioned to universities, are performed to optimize the individual operator movements during tests.

Considering that a specimen for a high-capacity machine may weigh 7 kg and that customer operators might perform up to 1 test every 4 minutes - this is a valuable aspect.

Calibration and **After Sales**

Galdabini is an official European Calibration Centre for both load, deformation, resilience, hardness, pressure and other physical units typical of material testing laboratories. This is a service to ensure that our products are state-of-the-art as well as enabling us to provide the most reliable support possible. Additionally, Galdabini, as a partner of leading brands in the aerospace industry, also complies with the NADCAP certification quality standards for calibration and alignment.

A qualified staff supports customers on-site during installation, training and calibration on a world-wide scale. The technical support is provided by our skilled service engineers all over the world and is available throughout the entire life cycle of the machine. We always include on-line after sales service carried out via remote interfacing module, Team Viewer. In addition, a wide range of spare parts is stocked in our warehouse, enabling us to provide rapid delivery to customers.



Business and Values

Growing together

Certification

ISO 9001 - Calibration Centre LAT N° 034- UNI EN ISO/IEC 17025 "General requirements for the competence of testing and calibration laboratories"- Signatory of EA, IAF and ILAC Mutual Recognition Agreements.



You can count on us

We are represented in every continent and in over 80 countries, providing technical and commercial service through a network of highly-qualified personnel who regularly attend on-going training courses.

Call us!

Available year-round, anywhere in the world for professional customer care in technical assistance, calibration, repair, and instrument upgrade services of our machines.

galdabini.it

Enjoy our experience.



Galdabini World



Italy



Switzerland



China



Usa



Italy

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