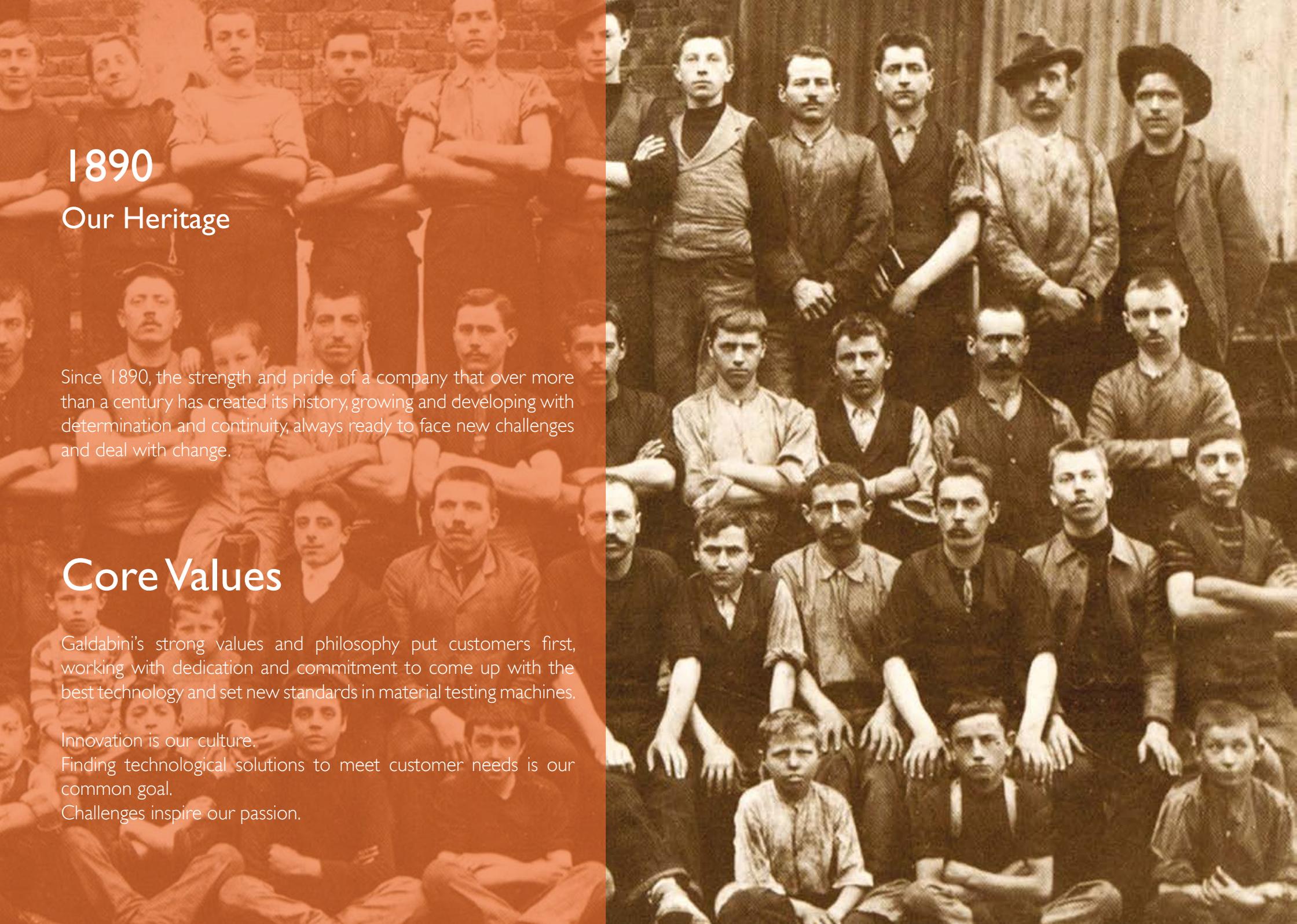


GALDABINI
1890

Plastics, Rubber and Non-metal Testing Solutions





1890

Our Heritage

Since 1890, the strength and pride of a company that over more than a century has created its history, growing and developing with determination and continuity, always ready to face new challenges and deal with change.

Core Values

Galdabini's strong values and philosophy put customers first, working with dedication and commitment to come up with the best technology and set new standards in material testing machines.

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

THE WORLD OF PLASTICS

Qualifying materials to guarantee ever-better performances is a common need in the plastics and elastomers industry, where metals are being replaced with plastics in order to take advantages of their greatest flexibility and variability in forms.

We provide solutions that confirm to International Standards and meet our customers' requirements in:

RESINS, PLASTICS (PET, POLYCARBONATE, PVC...), ELASTOMERS, RUBBER, FILM, COMPOSITES, GLASS, CERAMIC, WOOD.



Quasar Line

Product Portfolio

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

Galdabini identifies the various needs of the plastics sector to develop customised solutions as special frames for elongation and high speed performances.



Quasar 2.5 kN, tensile test on sports equipment

Quasar Line **at a glance**

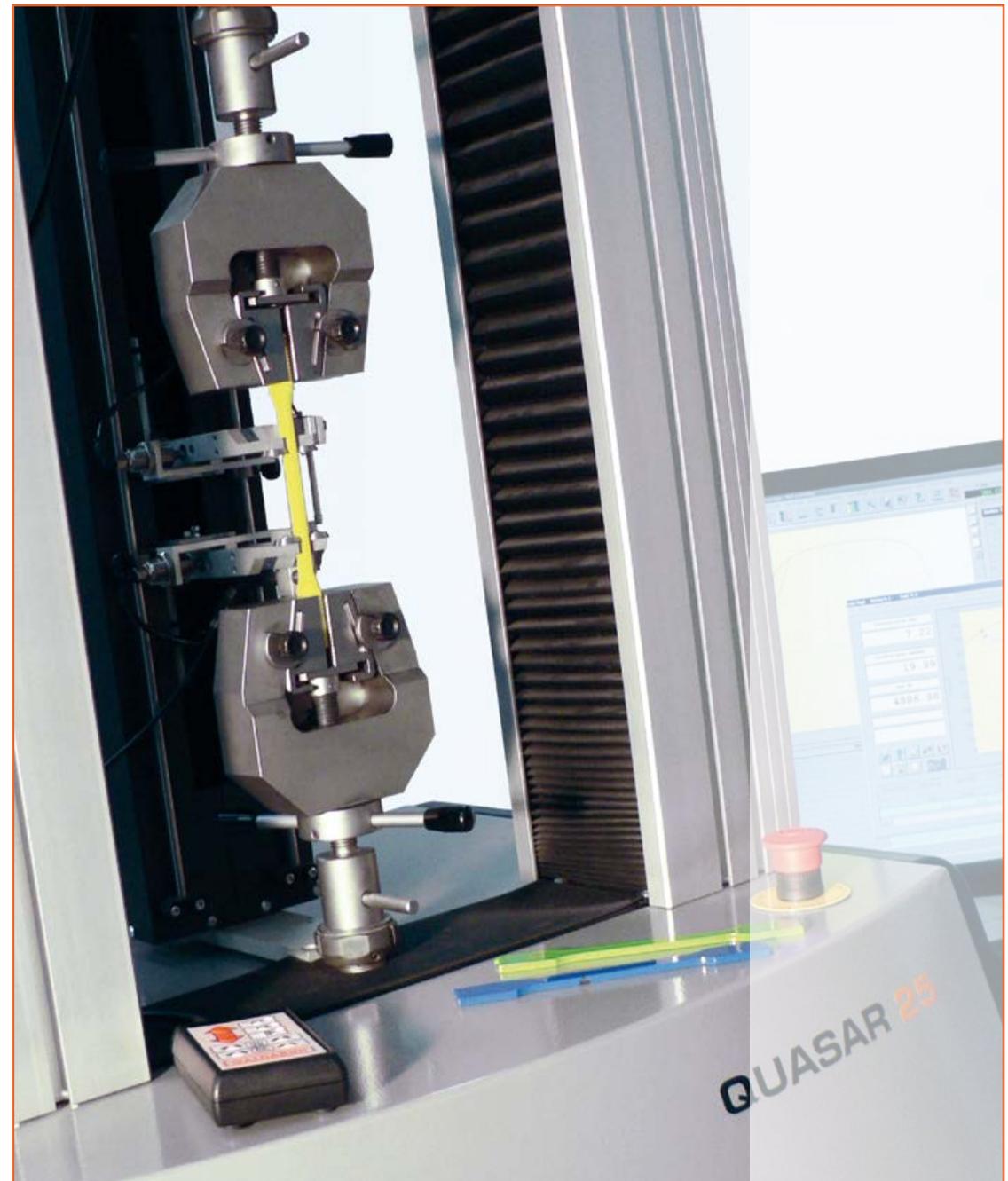
Single Column Bench-top for Low-force Testing:

- Capacities up to 2.5 kN
- Small dimensions, high performances
- Commonly used in plastic films, rubber, microelectronics, wires, small components, textiles.

The Quasar 2.5 kN and its equipment are designed for flexibility of use - modules can be added quickly, easily, and when needed.

Dual Column Bench-top for Mid-force Testing:

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

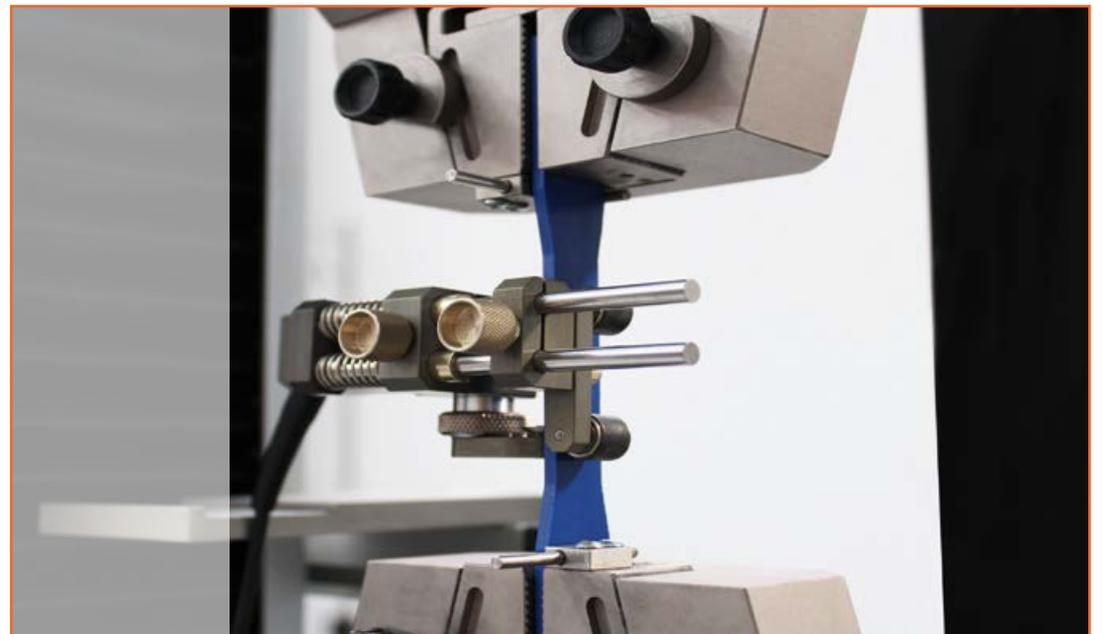


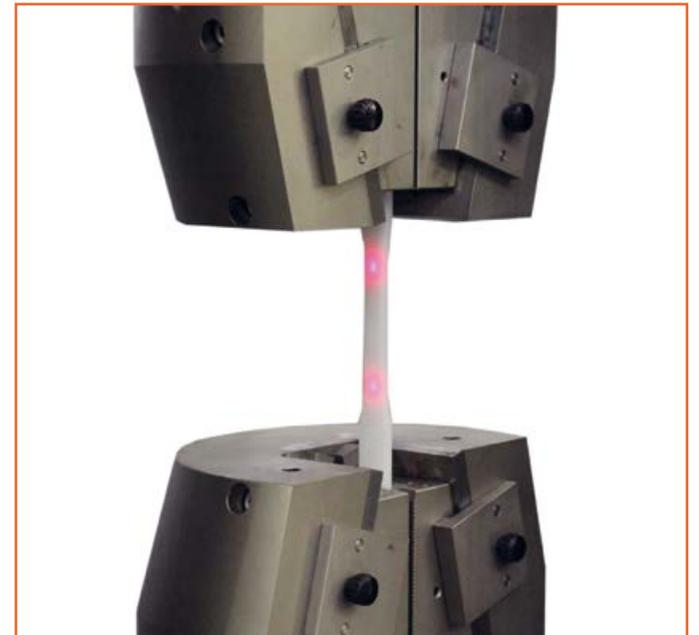
Applications

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

The highest quality of each mechanical and electrical component ensure the best performances, providing accurate and reliable measurements. Extensometers with special knives, low-force auxiliary cells and safety barriers are available in our range.

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



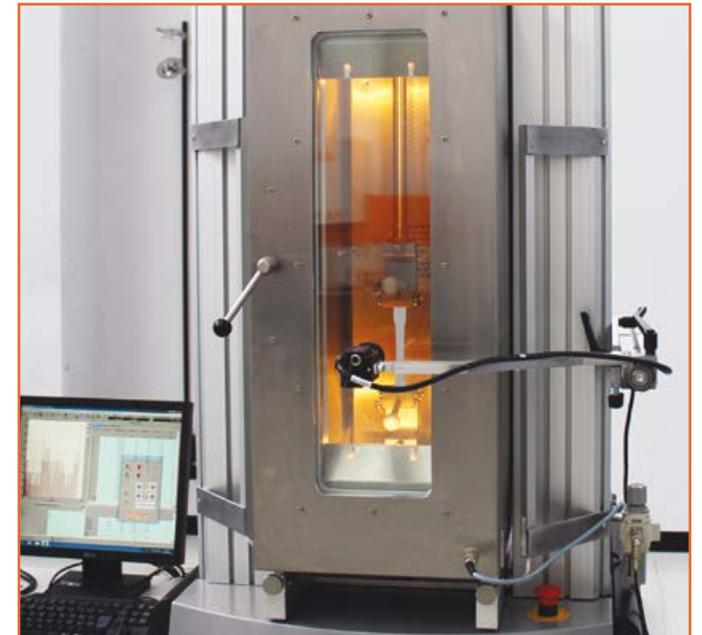


Details that make the difference

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.





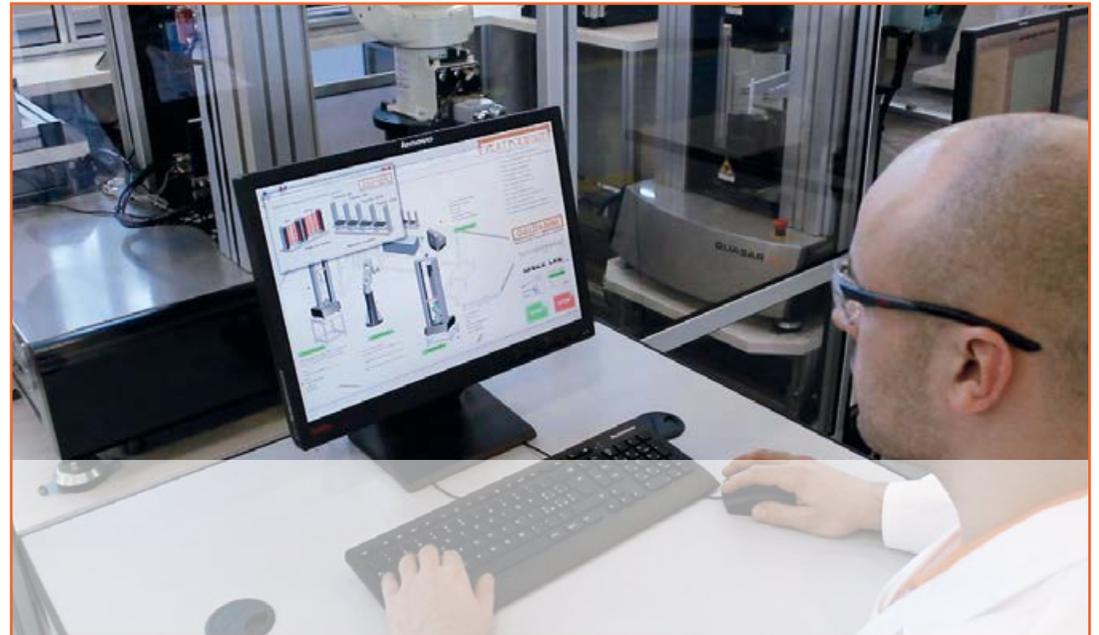
Software

Performance beyond your expectation

The user interface of our software allows the operator to program functions easily and intuitively.

Graphwork 5 Plus - is a complete-packaged application that is pre-installed with a library of hundreds of test methods and allows customers to create their own test methods - interactive help is provided, if needed. Included at no additional costs.

Our software is designed and updated by our Galdabini software engineers in response to customer feedback and needs.

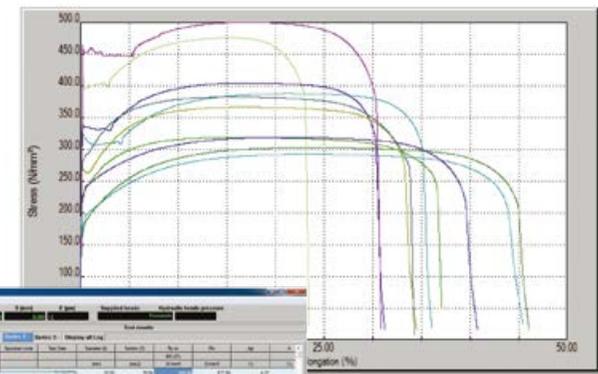


Data results may be stored, analysed, transferred and included in personalised test reports.

The free, remote on-line customer support by means of the Team Viewer module, enables us to help customers from our service department - solving programming issues promptly while carrying out full inspection of the machine.



GALDABINI		CESARE GALDABINI Cardano Al Campo (VA) - ITALY -						
METHOD : tensile test on 0.5mm specimens								
Series N. 1 -								
Test conditions								
Extensometer 1 : MICRON		Extensometer 1 - Serial number : 58700						
Load cell : TCS-TM		Load cell - Serial Number : 905439						
Load cell - Capacity : 250000.00 N		Extensometer Base : 80.00 mm						
Specimen code	Test Date	Test time	Thickness (t) (mm)	Width (b) (mm)	Pu 0.2 (N/mm²)	Rm (N/mm²)	A1 (%)	Fu (%)
1	19534	19-10-2011 16:00	2.95	20.20	227.97	318.20	40.79	19961.3
2	19533	19-10-2011 16:12	4.02	20.20	451.61	499.39	30.87	40552.5
3	19545	19-10-2011 16:17	5.95	20.20	283.69	382.02	34.32	45992.5
4	tornatale dip	20-10-2011 15:10	2.87	20.21	265.32	365.93	34.54	21225.0
5	tornatale netto	20-10-2011 15:14	2.99	20.21	333.63	404.01	31.29	34413.8
6	E3415	21-10-2011 08:16	0.98	20.20	225.62	318.12	37.13	6297.5
7	E3402	21-10-2011 08:21	2.63	20.20	321.77	387.15	36.10	26567.5
8	19556	21-10-2011 08:59	4.03	20.20	432.39	474.70	23.51	38643.8
9	19556	21-10-2011 09:05	2.95	20.20	170.56	302.36	46.09	18071.5
10	19554	21-10-2011 09:09	2.00	20.20	181.15	291.74	45.46	11786.3
					289.81	374.36	38.01	24645.9
N. of Tests					10	10	10	10
Stm Dev					82.64	70.87	6.87	12958.5
Lower Lim 95%					220.74	323.71	31.19	18384.6
Upper Lim 95%					352.29	425.01	40.82	33968.9



Impact Line

Product Portfolio

Impact machines for testing resilience cover nominal energy of 25 J, 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.





Robotised Systems Line

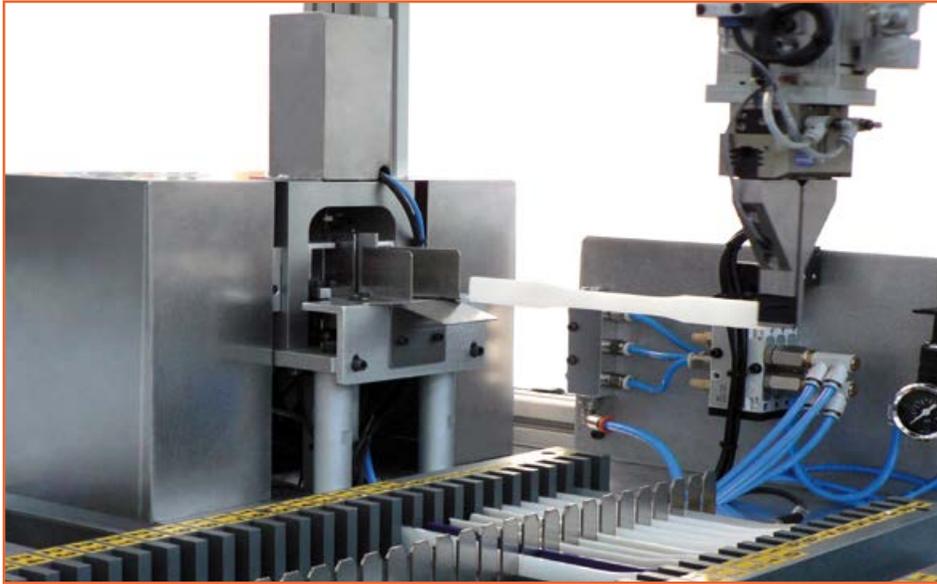
Galdabini is a pioneer in automation technology applied to industrial equipment. The software engineering department's dedicated team develops solutions for robotised testing systems with the integration of Quasar tensile and Impact resilience testing machines. The winning synergy between testing machines,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

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

When needed the system can be used as a “stand alone” unit for manual tests, all changed quickly and easily within seconds using only a mouse click. The efficient system engineering and ergonomical layout make this solution extremely easy to use and maintain, as well.

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



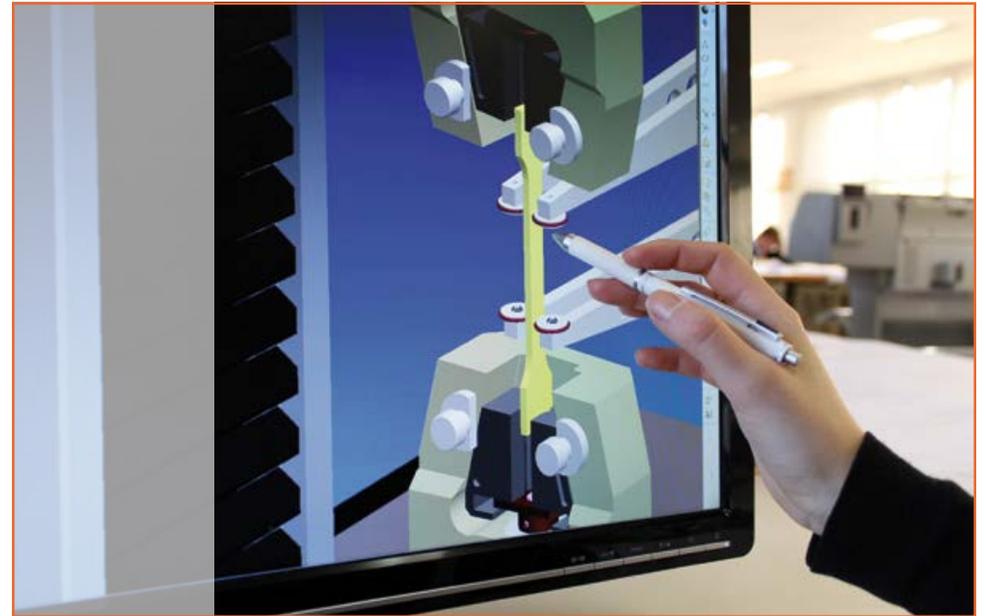


Be Galdabini

What is competence for customer?



Galdabini electronic controller board is designed and made by using high quality state of the art components. 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 accurate usage even in the presence of difficult environment conditions. Thanks to exceptional performance features, this solution is applied to both robotised systems, subject to intensive use as well as on stand-alone testing machines.

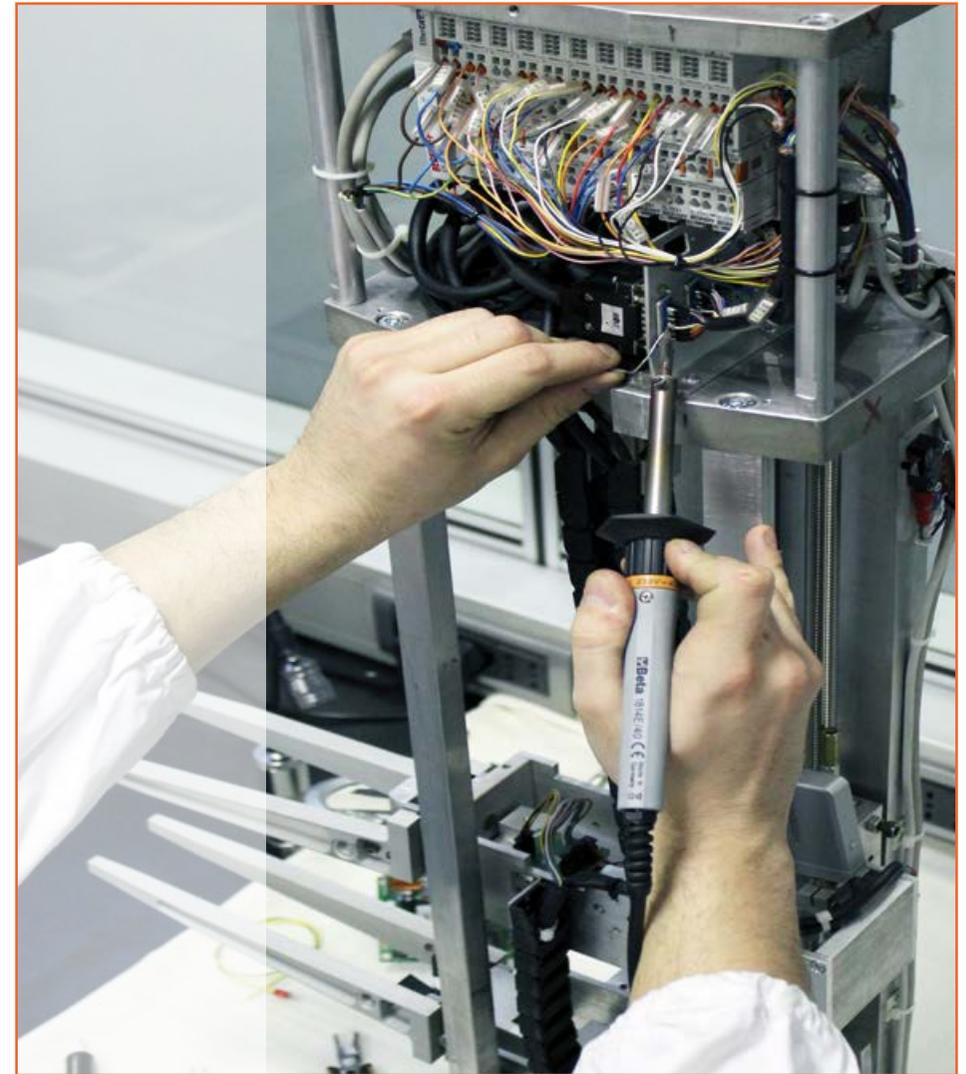


We design and manufacture frames, gauges, and extensometers. This allows us to have complete technological knowledge aimed for our users' benefit - the automatic extensometers are the best demonstration for how important this knowledge is.

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 behavior under working load. Precision in design.



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 meet the best ISO Standard. Expert assemblers ensure a perfect assembly of frames and ball screws, to guarantee precise coaxial mechanical alignment of grip connections.



The correct execution of a tensile test depends on the precise use of the extensometer. Galdabini's high level of knowledge, professionalism, design and manufacturing enables us to build our measuring instruments to measure and achieve the highest basic requirements according to the International Standards.

Calibration and **After Sales**

Galdabini is an official European Calibration Centre for both load, deformation, resilience, hardness 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

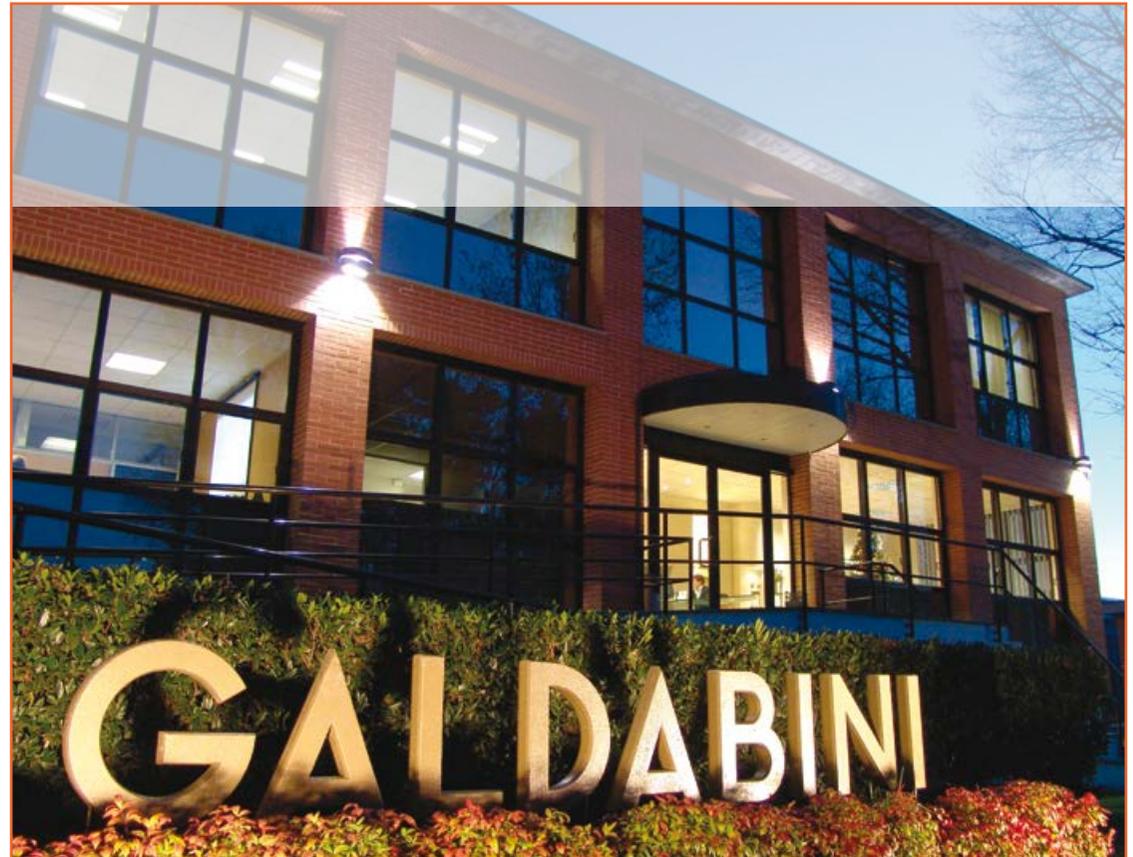
We are represented in every continent and in over 80 countries, providing technical and commercial service through a network of highly-qualified personnel who regularly attend on-going training courses.

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



Italy

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