

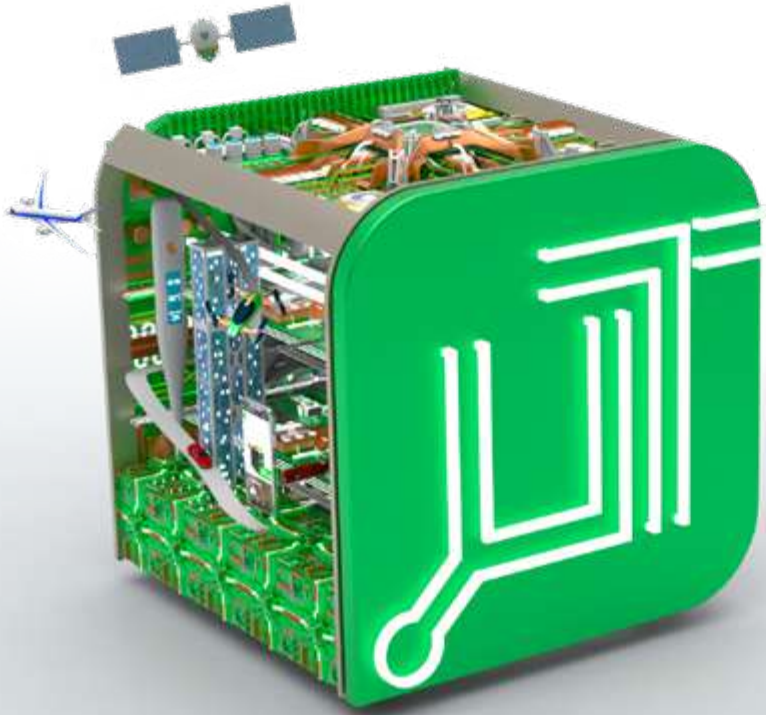


COMPANY PROFILE



# MICROELECTRONICS GLOBAL SOLUTION

Our philosophy is to combine  
the best minds with different skills  
to provide superior solutions  
in microelectronic applications.



# ABOUT US

Microtest is a strategic partner in the creation of the most innovative **test programs** and **ATE** and it can always offer the best service in terms of costs and time to market reduction, together with excellent “post sales” assistance.

- Standard ATE, very high parallelism
- Special ATE, for special application
- Test House/ Test program development
- Ovenless Burn-in
- Microelectronics design

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# MISSION

Microtest, combining innovation, continuous improvement, and sustainability, is a reliable global supplier and partner for companies seeking advanced electronic and microelectronic solutions for various applications.

# VISION

Microtest wants to improve the future.

Our engineers work in a strong and high level company to develop innovative solutions to help people lead a better life in a sustainable society.

The continuous development of the market requires to innovate the production flow to reduce costs: Microtest is the optimal partner thanks to its industrial and innovative capacity.

Microtest provides both “general purpose” and “custom” solutions.

For any type of application, Microtest deep expertise covers all the different phases of the microelectronic design and test flow and combines with an **extensive competence** in many different devices including analog, digital and mixed-signal ones.

Microtest test solutions are **certified** by an internal quality management system that ensures the high quality of the product and the compliance with the highest test standards.



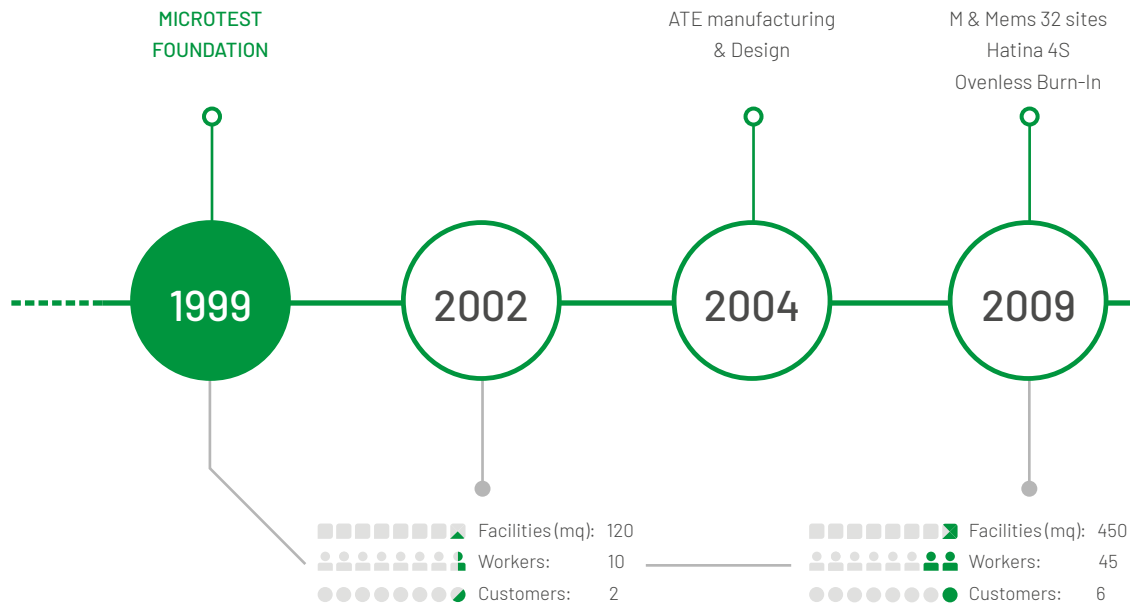
# HISTORY

Since its foundation in 1999 Microtest has progressively developed to become a global reality appreciated all over the world and a benchmark player for its innovative ideas.

The company's growth is driven by the desire to introduce breakthrough innovations to the market by exploiting production flexibility and the ability to support customers in the development of new projects.

A fundamental step is marked in 2004 by the start of ATE production, which expands the supply of test house and test board design services.

The improvement of the offer is parallel to the industrial growth as turnover and number of customers.







MICROTEST

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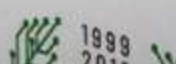
MICROTEST



MICROTEST



MICROTEST







In 2019 the company has celebrated its 20th anniversary with a great event happened in one of the most important civil building of Lucca, the land of Microtest headquarter.

Microtest people had the opportunity to share with their family the proud to be part of a strong company with a great future.



# WHERE

## HEADQUARTERS

### ● ITALY - Altopascio - Lucca

Services:

- Test House activities
- ATE Manufacturing
- Test program development
- Microelectronic design house
- Burn-in House

### ● MALAYSIA - Melaka

Services:

- Test House activities
- Test program development
- Burn-in House

## DISTRIBUTORS

### ● USA

San Jose  
Boston  
Plano  
Denver  
Queretaro

### ● GERMANY

Munich

### ● REPUBLIC OF SINGAPORE

Singapore





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# QUALITY

Microtest has decided to elaborate the **Integrated Management Manual** as an internal regulatory document and as a vector of knowledge of the strategies and methods provided by the **Quality Management Company** and its environmental and social aspect in its process towards Customers, the environment and other stakeholders.

# CERTIFICATIONS

Microtest is a UNI EN ISO 9001:2015, UNI EN ISO 14001:2015, SA8000:2014 certified company. Microtest is ISO compliant with following activities:

- Design, testing development, and testing execution of integrated circuits
- Design and production of electronic application boards and ATE (Automatic Test Equipment)





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# THE PERFECT PARTNER

**Microtest is the perfect partner to realize any type of projects.**

Its portfolio of **innovative ATE** allow customers to test devices in many application fields, including the most demanding ones as military, medical and aerospace sectors.

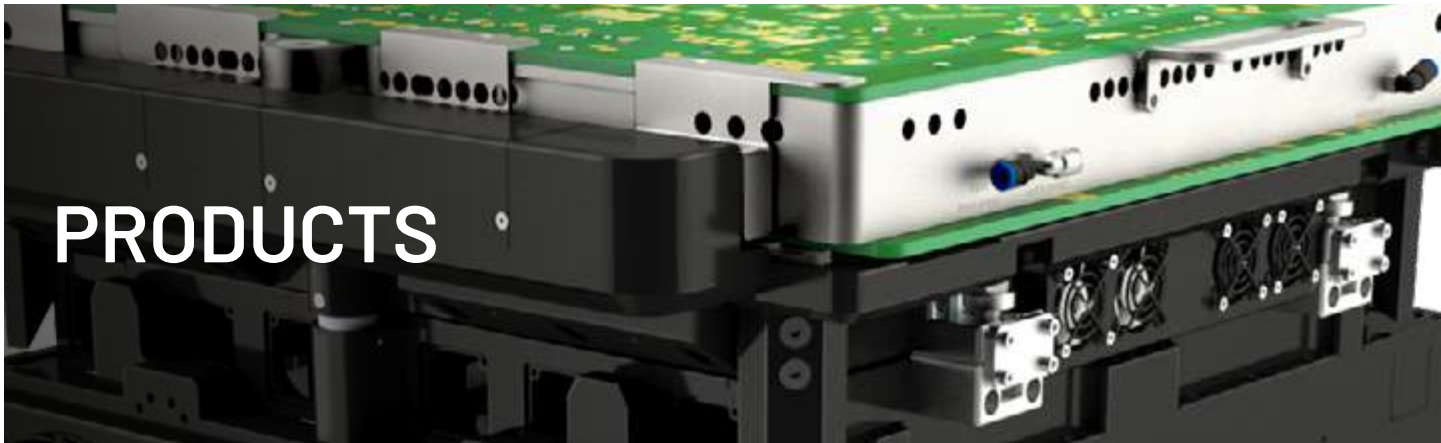
Microtest has always stood out for being a company able to carry out customized projects, followed step by step and developed in collaboration with customers.

**The quality of assistance and support** of Microtest is a recognized strength on the market.

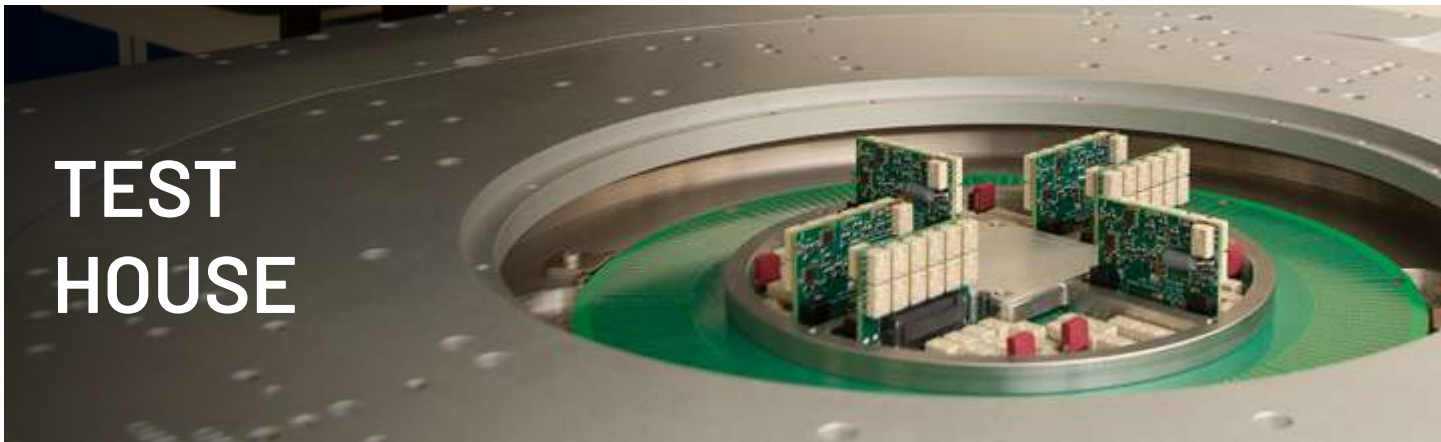
Microtest deep expertise covers all the projects development from the **microelectronic design** and qualification to the mass production for general purpose applications. All test phases are carried out internally by a team of experienced and qualified engineers.

The company is also recognized as a specialized supplier of electronic and electromechanical turnkey solutions.

**PRODUCTS**



**TEST  
HOUSE**



**GENERAL  
PURPOSE**





### Automotive



Automotive has been the first market addressed by Microtest. Our processes in reliability management are aligned with the European standard.

### Radio frequency



Complete flow service is available for RF applications. High performance equipment available for the design and testing of the RF components.

### Medical



Several products have been tested and qualified for in-body or out-body purposes. Microtest cooperates with the most important worldwide companies in the medical field.

### Military



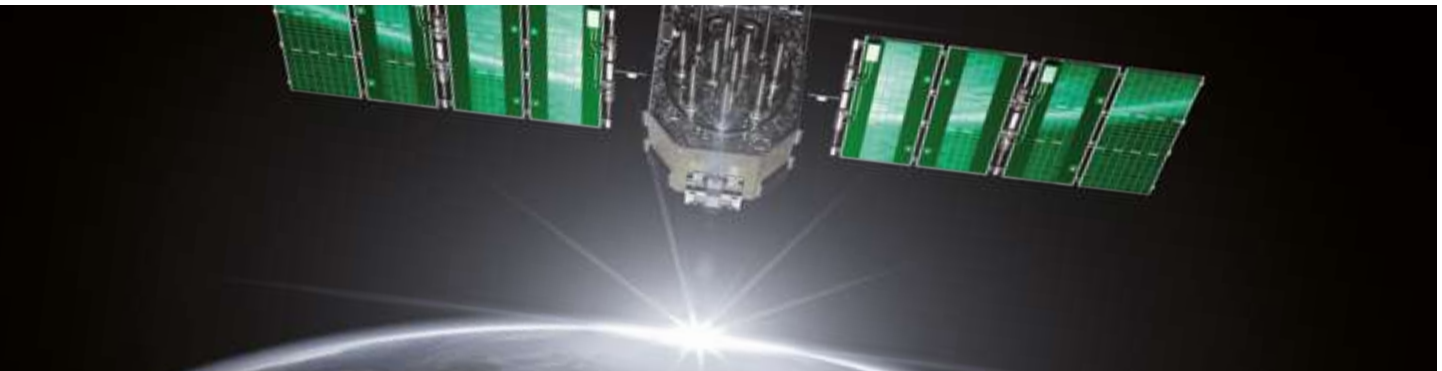
Microtest can support the customer in all the different project phases to fulfill the strict requirements necessary in military field.



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# APPLICATIONS FIELDS

Microtest provides a wide range of microelectronic services aimed to several fields. The strong competence and the deep expertise of our engineers and technicians allow us to delivering efficient solutions to satisfy the increasing requests of many type of applications. Our clients, operating in different sectors in the worldwide markets, can refer to Microtest to receive a concrete support to develop together the fulfillment of their projects.



## Consumer



Expert engineers develop highly complex solutions for the most common applications and offer a highly qualified experience on multisite test program.

## Space



Space applications combine incredible quality demand and device complexity. ESCC\_9000 qualification flow already done on different complex mixed signal device.

## MEMS



MEMS is one of the most important markets which had a tremendous growth in recent years. Microtest operates inside this market and can support the customer in all the different project phases.



# PRODUCTS

## ATE Design & Manufacturing

### TURRET

THE SMALLEST  
ON THE MARKET



### HATINA 4S

A VERY COMPACT  
SOLUTION FOR MEMS  
DEVICE TESTING



### DMT

THE FIRST AND  
UNSURPASSED  
DESK ATE



### HATINA GP

THE MOST COMPACT SIZE  
WITH HIGH PERFORMANCE



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We are able to provide high performance and ultra-high parallelism test solutions to meet the ever-increasing testing need of mixed signals complex automotive, industrial and MEMS devices. In the field of microphones, micromirrors, gyroscopes, temperature and humidity MEMS and many others.

The small size of our ATE guarantees zero-footprint solutions and ATEs usable for bench analysis.

### VIP EXTENDED

THE NEWEST INNOVATIVE  
EQUIPMENT SUPPLIED  
BY MICROTEST



### OVENLESS BURN-IN

THE UNIQUE OVENLESS  
BURN-IN ON THE MARKET



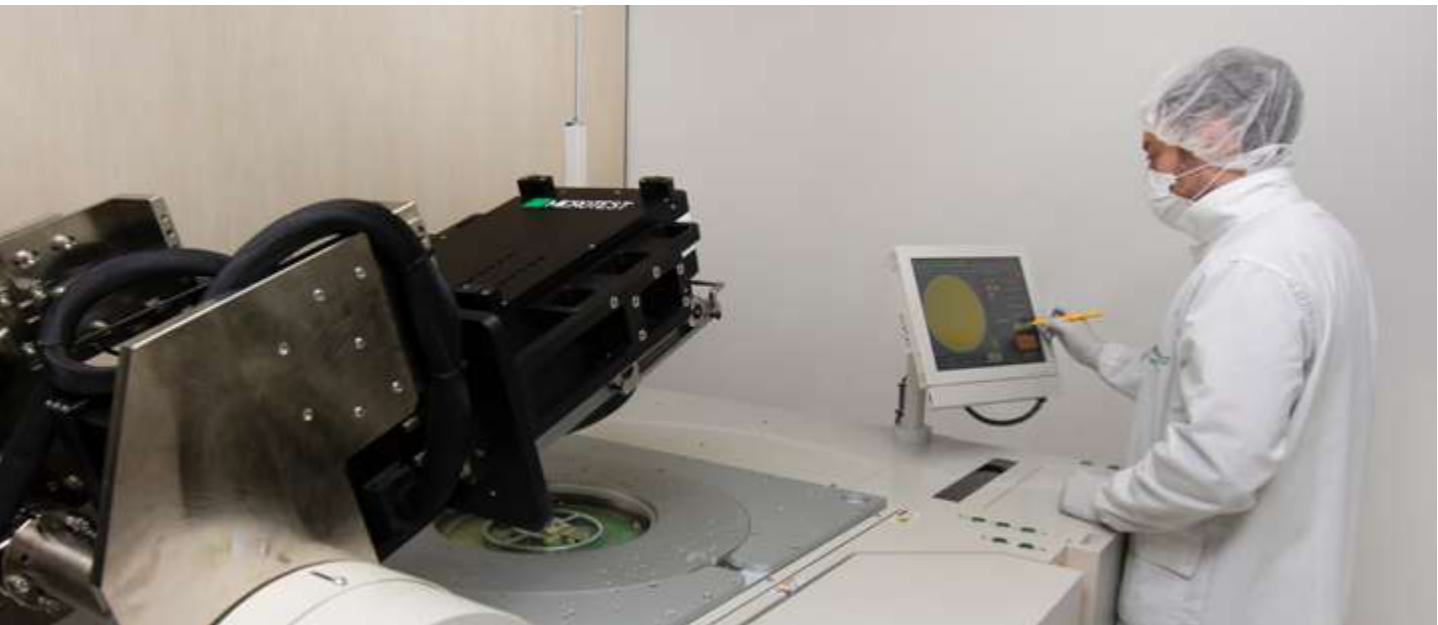
### CELSIUS 3T HANDLER

AN INNOVATIVE CHARACTERIZATION  
PICK AND PLACE HANDLER



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# TEST HOUSE



Microtest provides complete test house services in a clean room equipped with the state of the art handler and wafer probing system using its own innovative ATE and Teradyne ATE.

Microtest test house operates in hot, cold and room temperature for both production and characterization test.

**Microtest testing room is one of the most powerful in the world.**

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## BURN-IN & HTOL SOLUTIONS

The first oven-less Burn-in on the market. Microtest Burn-in is an innovative and fully automatic solution that drastically reduce industrial costs and increase quality of test.

## TEST PROGRAM DEVELOPMENT AND SUPPORT

Highly qualified testing engineers support the customers all over the world for test program development. State of the art tester platform availability.



## VOLUME PRODUCTION

Microtest high skilled team of engineers is able to follow the product development from EWS to final test.

## RADIATION TEST

Thanks to a very small and portable ATE configuration (Hatina + DMT), Microtest allows to reuse the characterization test program during the radiation test.



# GENERAL PURPOSE



Microtest can support  
customers  
in the realization of their ideas  
by implementing innovative  
and tailored electromechanical  
solutions, thanks to motivated  
and high skilled team of  
engineers.

## MICROELECTRONIC DESIGN

Microtest's microelectronic design team boasts an impressive portfolio of delivered device including analog, digital, mixed-signal, high/low voltage application.

Microtest is specialized in automotive mixed-signal device.

## SPECIAL APPLICATIONS

20 years design experience Microtest a reliable partner for innovative and proprietary solutions in microelectronic design and special applications. All the phases - design, reliability, quality control, layout, production and assembly - are managed internally with the possibility to optimize time and resources.

## ATE DIB/PIB/BID FOR ATE APPLICATION

Microtest prototypes ATE DIB/PIB/BID for ATE application very quickly (less than 5 weeks for medium hardware complexity) with high quality warranty thanks to the advanced and innovative technology in assembling, quality and verification development steps.



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# A GREEN COMPANY





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## SUSTAINABILITY

Microtest cares about the environment and actively contributes to CO<sup>2</sup> emissions reduction. All buildings are equipped with the latest generation of solar panels together with the most innovative techniques in energy recovery. Microtest pursues the goal of Zero Emission Building.



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# CONTACTS

## Microtest Srl

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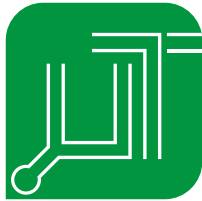
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