



Custom solutions?
Our **standard**





Who we are

Specialized since 1991 in the design and production of electronic equipment and testing systems for industrial use.

We offer our clients both standard solutions and the opportunity to develop custom equipment tailored to the specific needs of their applications. We maintain ongoing collaborations with various Italian and international companies specialized in industrial automation, providing standard equipment, developing specific hardware, or delivering complete subsystems that are subsequently integrated into more complex production lines.



Type of use

Our equipment is used for testing: household appliance components, sensors and actuators, metal die-castings, vehicle lighting, user interfaces... and much more!

Why choose us

- 01.** We provide technical advice from the early stages of co-design, to study the most suitable solutions
- 02.** We develop control software for microcontrollers, PLCs and PCs in-house
- 03.** We offer periodic maintenance and calibration services for the equipment we produce
- 04.** We conduct tests on electrical and physical quantities to preliminarily identify any potential issues



Standard tools

From leak detectors to power supplies for absorption testing.
A wide range of measurement and testing tools for the industry.



LEAK DETECTORS

Leak and tightness testing for welded, bonded or variously assembled components



FLOW DETECTORS

Flow detectors for performing flushing tests



PROGRAMMABLE
POWER SUPPLIES

Absorption testing of lamps and LEDs in lights and headlights, for automotive and motorbike applications



INSULATION TESTERS

DC insulation testers with Contact Surveillance up to 4000 V



MILLIOHMMETERS

Family of digital milliohmmeters available in basic or programmable versions



COLOR CONTROLS
WITH OPTICAL FIBRES

Systems for analysing intensity and color picked up by industrial optical fibres





Testing stations

Our stations are custom solutions tailored in every aspect. They can be integrated into a production line or manually operated by an operator.

Single testing stations

Testing stations are the ideal solution when productivity requirements, process complexity, or the need for manual operation do not justify a higher level of automation. They can be used stand-alone or combined into more complex solutions to form a manual production line.



Rotary tables

Rotary tables are a robust and cost-effective solution to ensure higher productivity, allowing the integration of testing, measurement, and marking operations. Such solutions can be designed for both manual operation and use within an automated line, potentially serviced by robots.

Automations

Our automation systems are designed to operate completely autonomously, integrating into complex production plants and controlled by the line's supervisory PLC without the need for an operator. They are always built to customer specifications to achieve the best integration into the line layout.





Other services

We provide a wide range of complementary services, from maintenance and calibration of supplied tools to the creation of custom software solutions perfectly integrated with the hardware.



Technical consultancy

ECB provides its customers with technical consulting in the early stages of application co-design. Our proposals are tailored to the needs of the user who turns to us, aiming to find the best solution for both parties.



Software development

We internally develop control software for microcontrollers, PLCs, and PCs to manage boards, electronic equipment, benches, or automatic machines of our own design.



Maintenance

We have all spare parts in stock for all our standard applications to ensure the shortest intervention time, while guaranteeing service quality. Additionally, we offer the option to perform maintenance either at our facility or at the customer's location, both in Italy and abroad.



Periodic calibration

We offer our customers the opportunity to periodically perform the calibration verification of equipment produced by us, conducted either at our facility or at the customer's location, both in Italy and abroad.



Laboratory test execution

We are capable of conducting laboratory tests to detect actuation pressures, airflows, temperature increases during operation, etc., on components of various kinds from diverse application fields.





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