



## TestSystems

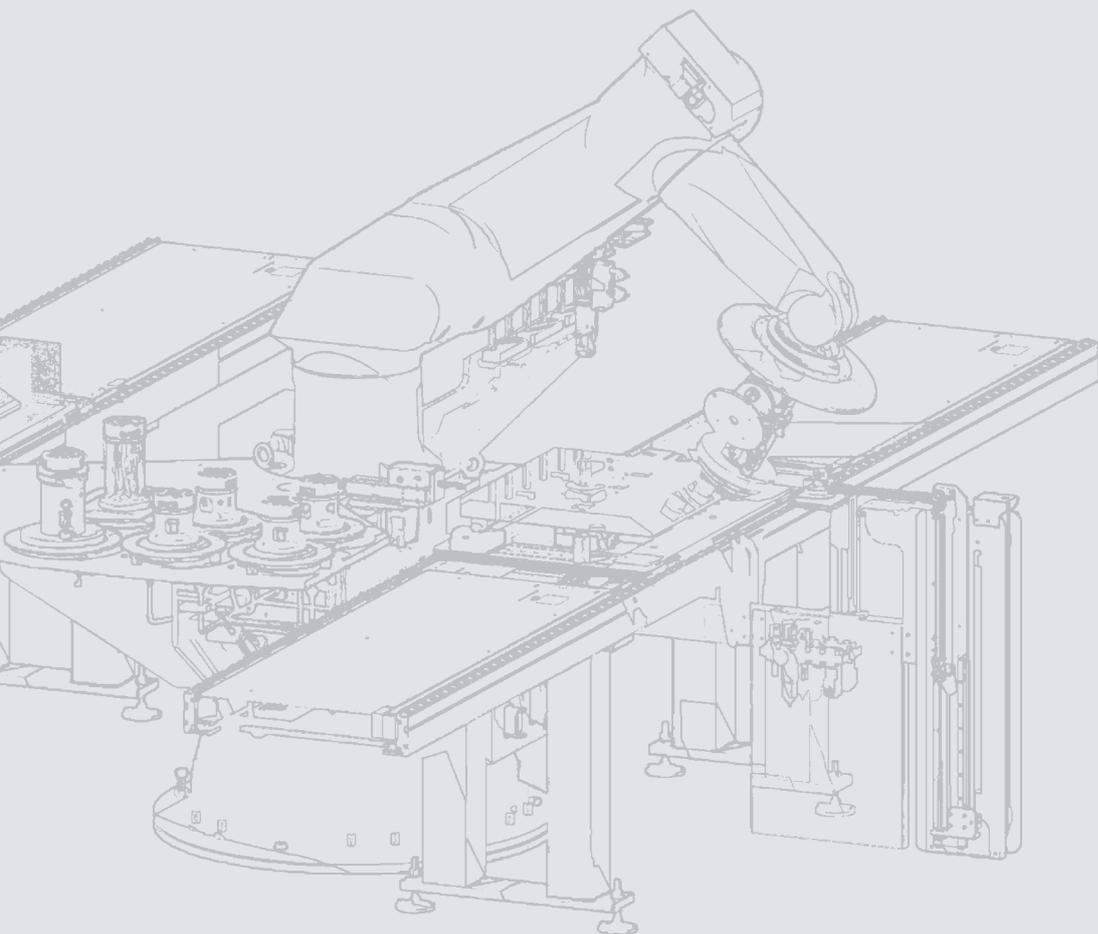
### Automated Test Systems for

Household appliances

Power tools

Photovoltaics

Your product



**ELABO**

euromicron group

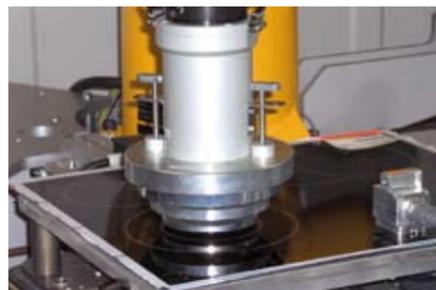


### ■ Partnership without Boundaries

Since the company was founded in 1972, we have been accumulating experience that has made us what we are today: a recognized partner in the industry as well as of testing and certification centers dedicated to safety and functional testing of household appliances, electrical components and solar energy systems. This wealth of experience helps us to find the perfect solution for your requirements – every time.

### ■ Safety and Functional Testing Systems

Crucial for you – Your production must run seamlessly and safely. Our test systems make this possible for you: modular structures, adaptable to any requirement, capable of integration into existing production processes, semi- or fully automated, and adaptable to existing ERP systems and data servers.



### ■ Our Advantages – Your Benefits

- Increased product quality and safety
- Optimized personnel utilization
- Reduced production costs
- Streamlining of required test systems
- Reproducible test results
- Increased flexibility with modular structure
- Increased transparency of production
- Secure ROI thanks to high-quality, modular system components

### ■ Test Systems without Limits

Our test systems are used in a wide range of industries for manifold applications. From auditing systems to automated serial testing: one-stop shopping for complete solutions. We offer you the perfect solution – for testing household appliances such as stovetops, ovens, refrigerators and freezers, as well as washing machines, dryers and dishwashers. We also develop and produce complete systems for testing solar modules, power inverters, high-pressure cleaners, vacuum cleaners, ABS systems, etc. But the range of our solutions also includes mounting, programming and test systems for equipment control systems.



### ■ Perfect Solutions down to the Last Detail

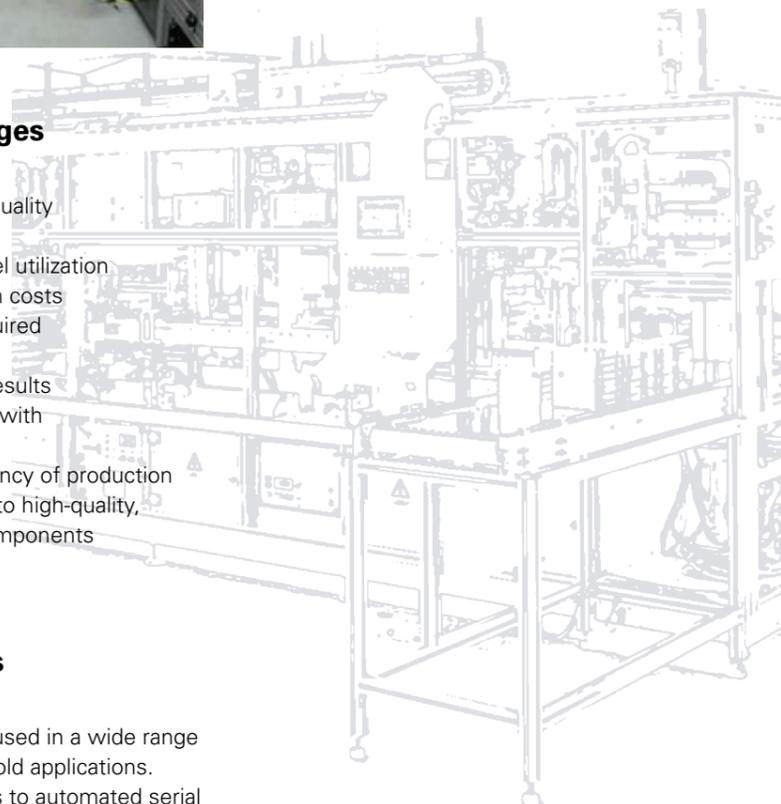
The high quality and safe functioning of a test system are often the result of what is unseen. For instance, we pay attention to optimum user-friendliness, ergonomics and accessibility in the construction phase with the use of complex simulation software. Only in this way can we guarantee that every test system will seamlessly and economically fulfill all requirements placed on it over the long term.

### ■ Turnkey Solutions from a Single Source

We construct, manufacture and install complete programming and test systems for you. Programming cells that program firmware inline and testing cells for visual and mechanical function testing. Programming can be completed ONLINE on the assembly line or INLINE on the completed device – 100% quality, simply and consistently.

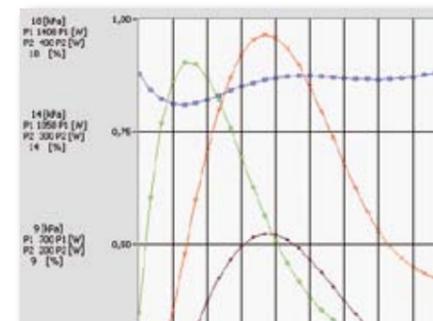
### ■ Flexibility

Various requirements necessitate flexible solutions, which is why our systems are based on a modular structure and can therefore be easily adapted to your requirements. An important economic advantage for you – both in the investment phase and in later use.



### ■ Intelligent Software Solutions

Appropriate software solutions are essential to ensuring an optimum testing process. Maintaining established testing plans, logging and documenting measuring results, as well as statistical analyses are standard tasks for us and can be expanded modularly. Important for you: our solutions can be integrated into existing networks and EDP structures. As pioneers in the field of PC-controlled measurement and test systems, the Elabo programming team has many years of experience in this area. The first system solutions controlled completely by software can be traced back to 1982.



### ■ Lifelong Service

We'll be there for you – over the entire life cycle of your system. In the event of a malfunction, which may occur in rigorous daily use despite our high quality standards, we will put things right – at your site, if necessary. Moreover, our maintenance and service contracts ensure seamless operation, for instance with software updates.





Advice, manufacturing, commissioning: Since 1972, Elabo's customers have been relying on sophisticated solutions from Crailsheim when it comes to equipping general-purpose and special rooms as well as procuring testing equipment.

Expertise in electrical and mechanical engineering and in many other fields – these are the basics that allow Elabo to custom design and execute functions and applications, as well as mass-produced products can be brought to market at a favorable price/performance ratio.

Quality right from the start: Elabo products are designed for years of use. With services such as test equipment recalibrating we support our customers throughout the entire product life cycle.



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## Elabo EducationSystems

Elabo offers complete special rooms for electrical engineering, mechatronics, IT and related fields: tables, superstructures with power supply, as well as measuring and test devices, cabinets and chairs.



## Elabo LaboratorySystems

Whether it's pneumatic measuring devices, ESD tables, or software for archiving measured results, Elabo products are used in research and development as well as in the construction of prototypes.



## Elabo AssemblySystems

Formed systems with extremely robust feet, transverse bars, roller belts: Elabo designs workspaces for manual and semi-automated production. Also supplied with integrated test systems.



## Elabo ProcessControlSystems

In data processing centers, security control centers or in power stations, whether it's consoles with operating controls or large-screen display systems, Elabo plans and realizes rooms for process monitoring.



## Elabo TestSystems

Measuring. Testing. Automating. Elabo reproduces test situations for its customers down to the last detail in everything from high-voltage test equipment to highly complex test systems with multipurpose adapters.



## Elabo WorkshopSystems

From workbenches to documentation test stations: Elabo reproduces modern maintenance tasks, from "simple" tables to software to measurement data storage.

