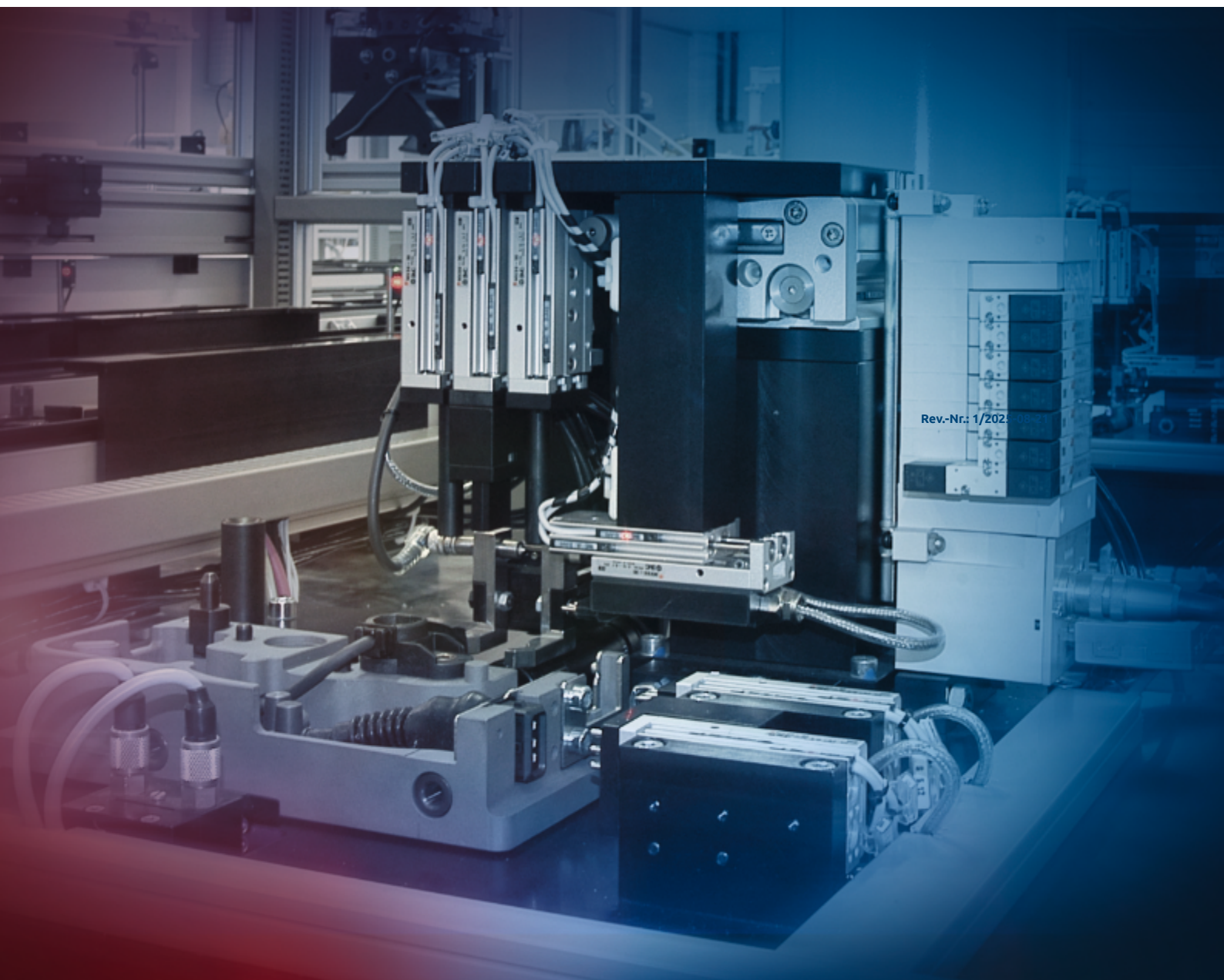
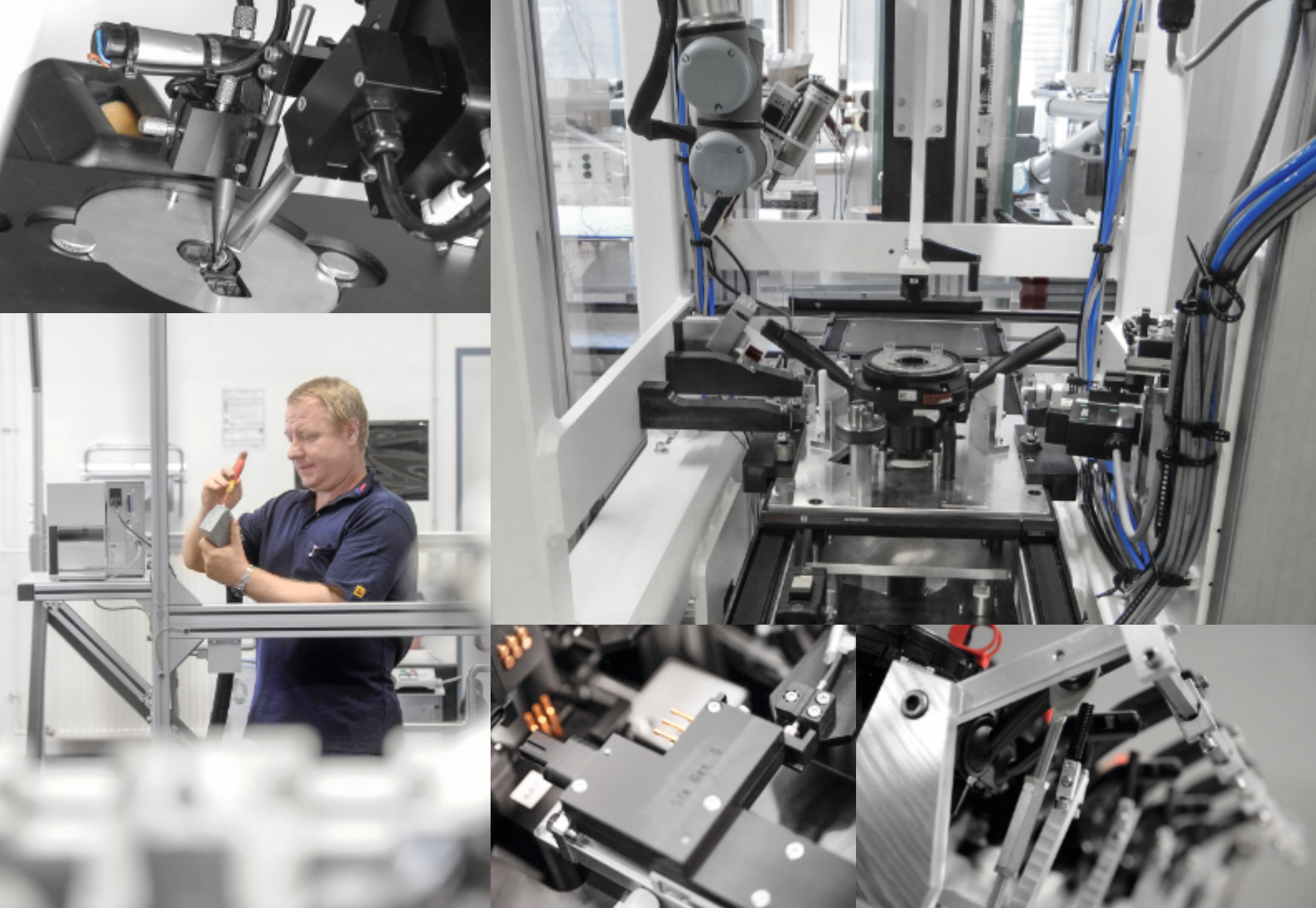


KNOW HOW TO TEST iT



Rev.-Nr.: 1/2025-09-21

Testing systems exactly
by your requirement



Philosophy

Systematic with every step

The ITgroup is working in close contact with its clients as well as its teams internally. The responsibility every person takes upon themselves is what makes us succeed in what we do. To ensure perfect results, a company wide and consistent systematology is used, allowing both transparent and safe project management. By this, clients get a high level of efficiency and investment security.

Due to good experiences

Many of our customers value the close cooperation as well as our focus while realizing projects. This is why many of our clients appreciate working with us or have been doing so over a long time already. What we contribute to this is our high level of service duty, presence and trustworthiness. After all, there is nothing more satisfying than celebrating the success of a cooperative project.

Thinking towards the future

Holistic and sustainable thinking and acting are mutually dependent. In every single one of our projects we do not only see current challenges, but also future ones. That is why we rely on certain cooperations that use futuristic key-technologies, to open up both competitive advantages as well as new customer groups.

Services

The ITgroup develops and produces well thought out and completed solutions for a variety of branches.

Our devices and systems main use is in laboratorys, production lines as well as during quality control tasks. In case of prototyping we can also support you with sample series production, component programming or calibration. If advisory or devel-

opment-services for either hard- or software are what you're looking for, we might be just the right partner for you as well. After integration took place we are happy to support you with our comprehensive After Sales service, no matter in which

state or part of its life cycle your system is. By adapting our offers directly to the customers needs, they always get exactly, what meets their requirements.



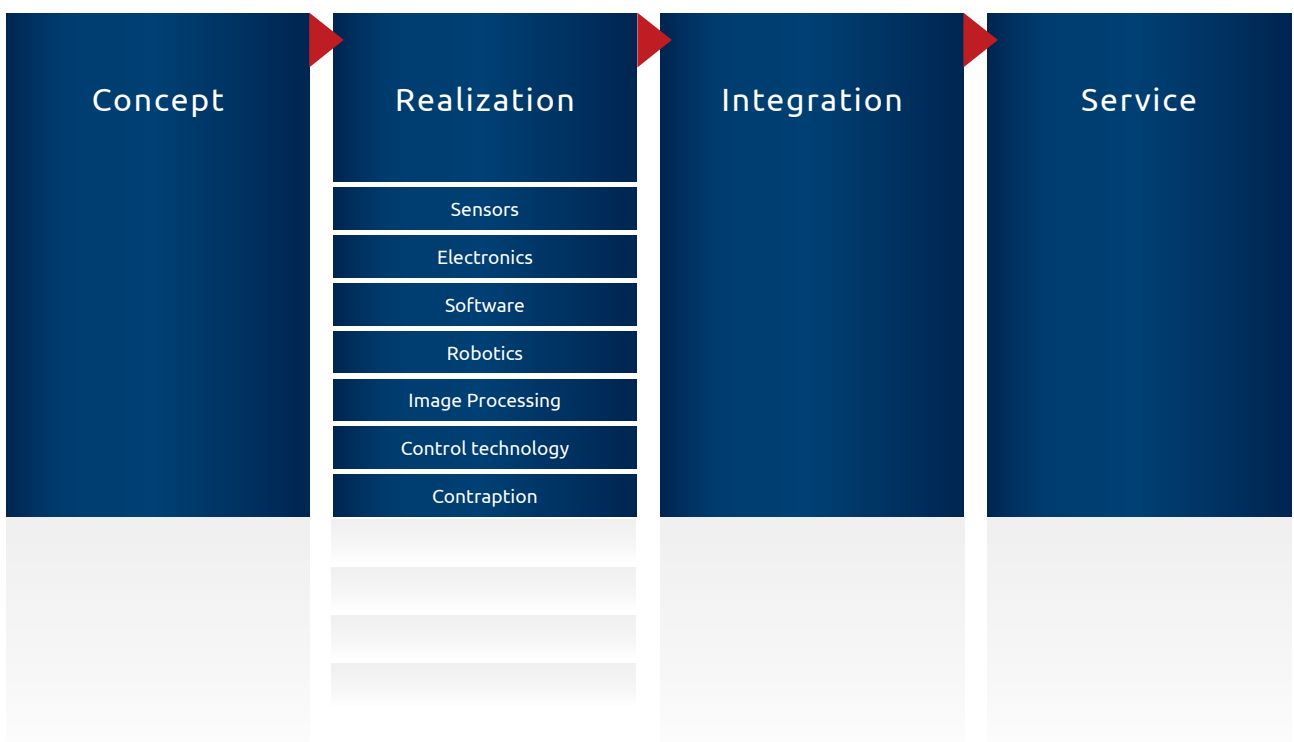
The ITgroup

Starting in 1994 with just two men and 60m², nowadays the company has grown to become an established, internationally orientated group.

The ITgroup is an union between different enterprises. Located both in Germany as well in Hungary. Our tailor made technologies for testing, measuring and documenting of quality attributes for demanding products and components are all devel-

oped and built in house.

Beginning with just a concept up to our After Sales Service: Whole from the start and thought out down to the last detail we are offering innovative solutions, from special mechanical engineering over hard- and software development up to process automation - simply put: We KNOW HOW TO TEST IT.



Realization

Concept ▶

Realization ▶

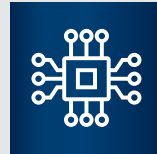
Integration ▶

After Sales Service ▶



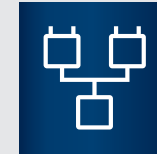
Software

- System and network technology
- Different interfaces and programming languages
- Application development from start to finish
- Image processing, Visualization



Electronics

- Analog measurement technology from component selection and wiring through to circuit design
- Precision- and special circuit technology
- Power Electronics



Control technology

- Independent and networked system controls
- SIMATIC Hardware-controls
- Computer based solutions with SIMATIC Open Controller or Twin-CAT



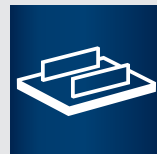
Robotics

- Inexpensive solutions via perfect combination by calibration robots and a sophisticated conception
- Generation of measured variables in real time, e.g. for switching point / switching angle
- Usage of robots by prestigious producers like Universal Robots, Bosch APAS, Stäubli, Adept, Denso and many more if wished



Sensors

- Safety sensors for movable parts or robotics
- Inductive or capacitive sensors for attendance check ups
- Vision sensors for completeness check



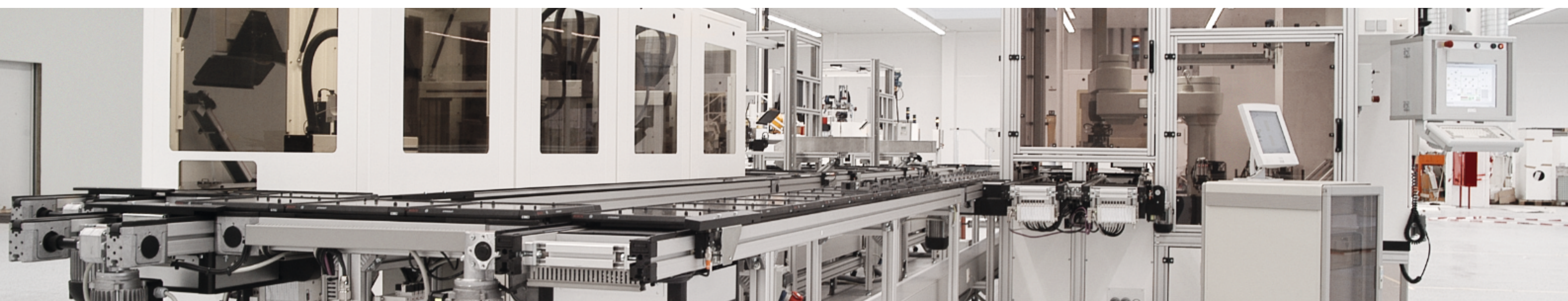
Contraption

- Comprehensive project management
- Rapid Prototyping with STL 3D-Print
- 3D-construction and production in cooperation with partners and customers



Image processing

- Usage of cameras, lighting process, Light section sensors and 3D-Imager
- Optical measuring, controlling and checking
- Qualitative and quantitative installation inspection



Solutions

Technologies by ITronic are located in many different branches. Wherever innovative or sensitive technology is used, we display our strengths by creating individual solutions for measuring, testing and automatizing.

As a medium-sized company in the heart of Baden-Württemberg, naturally we have intensive market and industry knowledge of all key industries that characterize the region.



Optical systems, cameras

We make sure your demanding adjustment and calibration tasks are taken care of, both full and semi-automatic. Our Scope of services covers manually software-assisted adjustment services up to fully automatic 6D-closed-Loop-micro

adjustments through Hexapod and signal feedback via camera / image processing.

[Hier mehr erfahren.](#)



Bumpers

Front and rear bumpers in many modern vehicles contain a wide variety of safety, comfort or assistance options. Besides the simple lighting functions, various other combinations of sensors, actuators and electronic components can be found as well. We at ITronic develop and produce assembly- and test stations,

which ensure your intern quality control, as well as evidence and documentation obligation towards your final customer.

[Hier mehr erfahren.](#)



Sensors

Testing stations for all sorts of sensors, actuators and components – ITronic is specialized in realizing ambitious client requirements when it comes to test- and measurement technology.

[Hier mehr erfahren.](#)



Door side panels

A wide variety of electrical components are used in vehicle doors. Due to increasing diversity in variants and quality requirements, production accompanying tests are necessary more than ever. ITronic offers the technology for assembly as well as

all required machinery for electrical- or variant controls.

[Hier mehr erfahren.](#)



DC-/AC-engine

Laboratory and series test standards for electric engines and drives - DC and AC-engines, with or without gears are also part of our spectrum. Produced and developed by the IT-group we ensure that our modular designed test system offer a maximum of both reliability and precision.

[Hier mehr erfahren.](#)



Switches and Top-Column modules

We offer a wide variety, from laboratory testing technology to life span checks, up to the end control of switches in your assembly line by modular designed test systems. This is regardless of whether it is about analog or bus coded switches (LIN, K-Line, CAN, FlexRay ...). Options for

testing equipment are manual- or fully automatic haptic and function test systems, service lifetime check systems, drive and measurement technology for acoustic Measurement chambers.

[Hier mehr erfahren.](#)



Contactless crack and pore testing

For the first time, the patented turbulence sensor enables automated testing of surface qualities of any material with regard to crack and pore formations, being as exact as 30 µm, e.g. on laser welds. The robust Sensor can be used directly even under difficult industrial conditions. The complete evaluation elec-

tronics are already integrated into the sensor, allowing a direct connection to process controls.

[Hier mehr erfahren.](#)

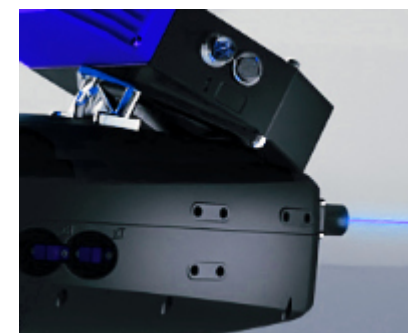


Robotics

Our robotics solutions enable highly precise, repeatable processes for assembly, testing, and handling. Thanks to compact designs, simple programming, and versatile application options, our systems can be flexibly integrated into production lines.

Collaborative robots and testing systems ensure quality and productivity in automotive, electronics, and medical technology.

[Hier mehr erfahren.](#)



Terahertz Technology

With our turnkey systems based on terahertz technology, we offer a highly precise, contactless, and non-destructive method for layer thickness measurement and material analysis. Even complex multilayer systems can be reliably tested down to the submicrometer range.

The measurement takes less than one second and can be fully integrated into production lines – ensuring safe and cost-effective quality assurance in automotive, aerospace, and battery manufacturing.

[Hier mehr erfahren.](#)

Located in over 20 countries worldwide.



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