



KAT

YOUR TESTINEERING & CABINET SPECIALIST



SPECIALIST FOR TEST ENGINEERING, AUTOMATION, CONTROL CABINET CONSTRUCTION AND INDUSTRIAL ELECTRONICS

We are KAT - Kraus Automatisierungs-Technik GmbH, located in Hassfurt. For more than twenty-five years we have been developing and implementing innovative automation, measuring and testing technology as well as control cabinet construction for the regional, national and international market in the Lower Franconian region. Long-standing customers worldwide appreciate our individual complete solutions from one source. With flat hierarchies and a high degree of individual responsibility for each employee, KAT relies on concentrated team competence. Thus we can guarantee absolute adherence to delivery dates, flexibility and constant availability.

Measuring and testing technology	–	realization of complex measuring and testing tasks
Automation	–	complete solutions in production
Switch cabinet construction	–	electrical system design/project planning/production
Motion & drives	–	complex tasks with servo drives
Robot solutions	–	handling and testing tasks with robots

Measuring and testing technology

- Complete solutions in development, validation and as end of line tester in production
 - » e.g. test and inspection systems for drives in e-mobility (e-bikes, e-scooters etc.) incl. bus communication
 - » e.g. automated measuring tasks of safety-relevant parts such as mechanical connections with laser scanners or measuring of bearing rollers with camera systems
- as an alliance partner of National Instruments we realize tasks with LabVIEW and real-time systems in real time, e.g. for fast control tasks
- with real-time capable drive concepts we simulate the real conditions, e.g. combined with Open-Core-Engineering
- different high-level languages are used depending on the task at hand

Turnkey automation

- Siemens S7, TIA (also modernization of S5 systems) and SINAMICS
- Bosch Rexroth controls and drive technology
- Robots for handling and testing tasks, thus supporting testing applications
- complete documentation

switch cabinet construction/industrial electronics

- electrical design in EPLAN
- Switch cabinet construction as a complete solution including electrical design, material handling and documentation
- switch cabinet construction as a service
- repairs and maintenance
- development and production of electronic circuits such as test boxes, switch boxes

Turnkey automation

- Planning and concept development
- Electrical design
- PLC and robot programming
- Programming with LabView
- High-level language programming
- Development of test software according to customer requirements