

GEMAC – Gesellschaft fuer Mikroelektronikanwendung Chemnitz mbH, employing 80 people, develops and produces high-tech electronics. The product range includes sensors and ASICs, as well as electronic components and own products. We offer customized solutions for highest standards using professional know-how and innovative ideas. Our company is certified under DIN EN ISO 9001:2008.



Our fields of business

Own products

- inclination and acceleration sensors (MEMS)
- mobile and stationary field bus testers (CAN-Bus, DeviceNet, SAE J1939)
- magnetic position and angle measurement systems
- interpolation circuits (increase of resolution up to 2000-fold)
- measurement systems electronics: counters, PCI-boards, interpolators (up to 16000-fold)
- special circuits for sensor and measurement systems

Production services

- complete pcb-service: purchase, design, assembly, coating, test
- sensors, components, devices

Research and Development services

- ASIC-design
- microcontrollers, DSP
- neural networks, condition monitoring
- data compression
- sensors and sensor electronics

Fields of application

Our products operate safely under all conditions:

- industrial automation
- agricultural, forest and construction machines
- medical technology
- alternative energies
- aviation and aerospace