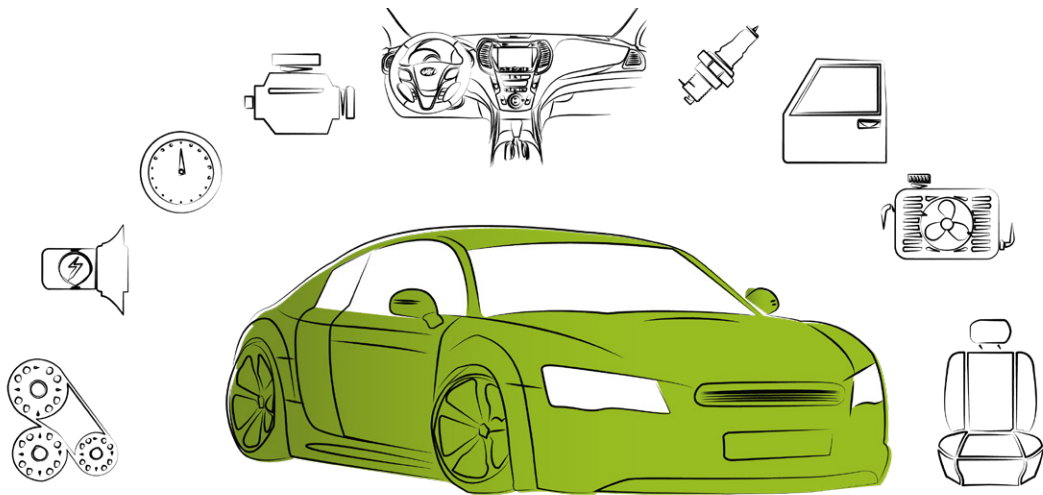




Technology Range

Automotive Test Solutions



SENT

LVDS

CAN

lin

K-Line

FlexRay™

**AUTOMOTIVE
ETHERNET**

MOST

End-of-Line Test Systems

- fully automatic test cells for integration into production lines for electronic and mechatronic vehicle components
- high throughput
- measurement and stimuli resources
- missing parts handling for discharge of defect assemblies including labeling equipment
- label/marketing devices



Seat Tester

- function test of complete car seats and seat sets
- 100% mechatronic test coverage
- electrical test, measurement of mechanical characteristics, optical inspection
- optional acoustic analysis

Motor Tester

- Systems for End-of-Line test and development
- Determination of electrical and mechanical characteristic values of electric motors and electromechanical drives (window regulators, rear flap drives, radiator fans, electric seat adjusters)



Function Test

- specifically configurable
- modular construction based on open industry standards like PXI, GPIB and Ethernet
- test sequencer for comfortable creation of test sequences
- test step library with programmable test routines



Network Test

- test of communication properties (conformance test)
- modules for CAN/CAN-FD, LIN, FlexRay und Ethernet
- automatic test program parameterization
- Gateway/Routing test



Interfaces

- interfaces for CAN, CAN-FD, LIN, Flexray, MOST 25/150, LVDS and Ethernet, including signal based rest bus simulation
- Onboard functions for diagnosis, network management and special signals
- Onboard programming



Acoustic Analysis

- quality assurance of mechanic and mechatronic components
- recording of noise spectrum through structure-borne sound sensors
- parameterizable library with evaluation functions



Haptics Test

- test of controls such as buttons and rotary knobs of every kind
- examination of haptic properties
- objective measurement results
- analysis of force/displacement diagrams
- EoL and prototype test systems



Other Products

- resistance decades
- wide-range ammeter (uninterruptible recording)
- power distributions with E-stop button for construction of test systems

Run-In Test and Endurance Test Systems

- use in development/quality assurance
- parallel test under environmental influences such as temperature or vibration



Framegrabber & Framegenerator

- interfaces for LVDS and HDMI
- changeable serializer/deserializer module for APIX 1/2, FPD I/II/III, HDMI, GMSL
- pass-through function
- analysis parallel to signal flow



Made in Germany

