Technology Range
Automotive Test Solutions

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/marking devices

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)

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
Overview

Automotive Test Solutions – Technology Range

**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

**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

**Run-In Test and Endurance Test Systems**
- use in development/quality assurance
- parallel test under environmental influences such as temperature or vibration

**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

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

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**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

**GÖPEL electronic GmbH**
Goeschwitzer Str. 58/60
07745 Jena · Deutschland

Phone +49 3641 68 96 0
Fax +49 3641 68 96 944
Email ats.sales@goepel.com
Website www.goepel.com

Made in Germany