



TEST CENTER

Modern and flexible test benches for the most diverse test duties of your e-drive, hybrid drive or combustion engines.

DEVELOPMENT TEST BENCHES

With state-of-the-art measurement technology for e-drive, hybrid drive or combustion engines.

ENDURANCE TEST BENCHES FOR E-DRIVE APPLICATIONS

With dynamic air- and media technology for endurance and environmental tests of e-drives and e-axes.

COMBUSTION ENGINES

All known dynamic and stationary test procedures

POWERTRAIN TEST BENCH

For the testing of conventional, hybrid and pure electric powertrains.



E-Mobility and Hybrid Applications

Electric mobility currently dominates development topics in the automotive industry. KST actively assists in development, testing and validation work of electrified drive trains.

Our testing ground offers a comprehensive service portfolio and test benches for electric drive trains, state-of-the-art and flexible testing including the most diverse test requirements.

OUR SERVICES RANGE FROM COMPONENT TO ENTIRE DRIVE TRAIN TESTS

- Durability testing of E-Motors and E-Axels (e.g. PTCE, HTOE, HTHE test profiles)
- Functional testing
- Thermal validation
- Start-stop simulation
- EOL-testing
- Environmental simulation tests
- Parameter tests

EQUIPMENT

- 1 to 4WD applications
- Motor emulator for inverter development
- Back to back test configuration for e-drives and electric axles
- Voltage sources up to 1,200V / 2,000A / 500kW
- 4-quadrant operation
- Media conditioning
- Ambient conditioning
- Residual bus simulation
- CANoe, CANape
- FieldBus operation applications
- Performance measurements
- Early damage detection
- Operational vibration analyses

Your contact

Roland Prinz
Sales Manager
Phone: +49 6322 - 799 192
roland.prinz@
kst-motorenversuch.de

Christine Skribanek
Sales
+49 6322 - 799 378
christine.skribanek@
kst-motorenversuch.de