



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-axles.

COMBUSTION ENGINES

All known dynamic and stationary test procedures

POWERTRAIN TEST BENCH

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



KST increases E-testing capacity from Feb. 2021

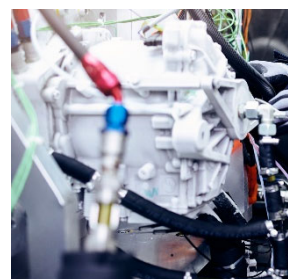
To test electric powertrains and related components, KST offers a full selection of testing services ranging from mechanical and electric testing to thermal characteristics of the drivetrain. In reply to strong market demand we increased E-testing capacity for inverter and e-drive applications for passenger cars and light duty vehicles, from February 2021. This expansion, especially targets 2EM and 3EM test bed configurations, growing our e-drive testing portfolio.

TEST BENCHES FOR E-DRIVES

- 1EM - Highly dynamic test benches up to 520kW and 25,000 1/min
- 2EM - Powertrain test benches with 2 load units and voltage source (for E-axle testing):
Load torque up to 5.100 Nm (per wheel).
Voltage source up to 1.200V / 2.000A / 500kW
- 3EM – Powertrain test benches with 1 input and 2 load units (for transmission/ differential testing):
Input power up to 520 kW
Load torque up to 5.100 Nm (per wheel)

TEST BENCH EQUIPMENT

- Simulation of ambient conditions (temperature of fluids and ambient air)
- Residual bus simulation
- CANoe CANape
- FieldBus operation application
- Performance measurement
- 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