

Powertrain Electrification Testing



Valued Quality. Delivered.



Intertek Transportation Technologies based in Milton Keynes UK has more than 30 years' experience in dynamometer based powertrain development testing. This powertrain testing expertise has been extended over the last 5 years to include the test and optimisation of alternative eMobility driveline systems.

Combining our knowledge of driveline test and development with our expertise in hybrid and electric propulsion systems has allowed Intertek to develop an enviable portfolio of test expertise in alternative powertrain test and development. Our highly configurable test cells can be fitted with multiple dynamometers and battery simulator banks to provide all wheel testing capability of the most complex hybrid or pure electric powertrain systems.

Intertek has developed specialised eMachine test rigs capable of testing the latest high speed machines, supported by high power, high voltage DC supplies.

Intertek Transportation Technologies test facilities are fully accredited to ISO 9001 and can operate 24/7

- Multiple test cell and engine dynamometer options
- eMachine dyno rigs in dedicated test cells
- Full electric or hybrid driveline testing capabilities



Intertek's laboratory facilities are supported by comprehensive in-house instrumentation and facilities maintenance capabilities to ensure minimum down-time with maximum data quality.

Customer engineers can be accommodated on-site in five separate customer offices with capacity from 2 to 6 persons.

All of our test facilities are fully accredited to ISO 9001 and can operate 24/7.

Key features

- Multiple test cell and engine dynamometer options
- Wide range of test cells available from small low cost durability cells to large multi dyno driveline rig cells
- eMachine dyno rigs in dedicated test cells
- Full electric or hybrid driveline testing capabilities
- 1000 V / 900 A / 300 kW Battery Simulator
- Bespoke manufacture and prototyping of drivetrain components
- High capacity fluid cooling circuits in all test cells at 25°C, 6°C and -30°C
- Customer drivecycles or bespoke tests available



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