

Intertek Milton Keynes - Facilities Overview

Intertek

Valued Quality. Delivered.



Intertek Transportation Technologies based in Milton Keynes UK has over 30 years' experience in dynamometer based engine performance, emissions and driveline test and development as well as specific expertise in fuel and lubricant testing and exhaust system ageing.

This covers Diesel & gasoline engines as well as full fired and electric powered drivelines using industry leading instrumentation, analysis techniques, data acquisition and post processing tools.

Intertek's 28 cell laboratory is recognised by the VCA and trusted by many of the world's leading vehicle manufacturers to deliver quality data and test hours with minimum down-time. Recent major investments mean our laboratory facility now offers some of the best commercially available development test cells in the world.

Intertek Transportation Technologies Milton Keynes offers the finest commercially available powertrain testing in the UK

- 28 test cells recognised by the VCA
- Fully accredited to ISO9001
- All tests monitored 24/7



The newest test cells are specified to handle engines of up to 1000 kW whilst providing high precision fuel, air and fluid conditioning systems for unrivalled consistency and highly repeatable testing. Intertek stocks more than 60 dynamometers with capacities from 50 to 1000 kW including transient A/C machines to suit specific customer needs. Test efficiency is maximised by provision of 24/7 automated mapping techniques using AVL CAMEO software.

Intertek's lab is a 24/7 operation meaning engine maintenance, hardware changes, instrumentation calibration and servicing can be performed outside of the normal working day, maximising cell availability for customer work.

Intertek's catalyst ageing experience is complemented by a full exhaust and catalyst system prototype manufacturing capability, with capacity to produce hundreds of parts as well as bespoke one-off systems.

Fuel and lubricant testing is conducted to industry standard techniques and our facilities are recognised by both the CEC and the ATC ARC. Bespoke test cycles and full transient testing of lubricants and fuel can also be conducted in our test cells.

All of our development test cells are recognised by the VCA for European type approval engine certification testing (to ECE Regulation 85), so unnecessary engine movements can be avoided.

To accompany this vast experience of powertrain development, we offer prototype manufacturing capability of parts and ancillaries and our laboratory facilities offer full instrumentation capabilities to support dynamometer based testing here on-site, or for vehicle based testing outside of our facilities.

All of our test facilities are fully accredited to ISO 9001 and recognised by the UK Vehicle Certification Agency.

Key Features

- Combustion development and mapping
- Powertrain durability testing
- Powertrain electrification testing
- Fuel additive and lubricants testing
- Exhaust catalyst ageing
- Engine tilt rig
- Thin layer activation – component wear testing



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