

Test Facility Block Booking

Cost-effective access to the UK's largest independent driveline testing facility

Whether you require a major driveline development program, eMachine testing, component testing, or have overspill work to relieve an in-house bottleneck, we have the facilities and expertise to deliver world class powertrain testing solutions. We are offering block bookings to customers who wish to benefit from significant cost savings and confidence in having facilities at the ready.

Our Facilities

DSD provide testing solutions for a vast range of electrified, traditional and niche transmissions and drivelines. With 14 test cells, easily reconfigurable to bespoke applications, we span component to system level testing, from tiny actuators to complete electrified and conventional drivetrains.

- **5E, 3E & 2E Loaded Rigs** *incl. Engine Torque Pulse Simulation (ETPS)*
- **Battery Emulators**
- **Sub-system Test Rigs**
- **Tilt & Spin Rigs**
- **Thermal & Vibration Chambers**
- **eMachine and Inverter Rigs**
- **Clutch characterisation and development**
- **Park-lock development**
- **Actuator test rigs**
- **Gear shift system development**
- **Hydraulic valve block characterisation and development**
- **Clean Room**
- **Vehicle Build & Preparation**
- **Assembly, Fabrication & Machining Facilities**

How does it benefit you?

- Significant cost savings - longer bookings benefit from the greatest savings
- Flexible facilities that can be configured specifically for your products
- Your engineers are welcome on-site to lead, oversee or support testing programs
- In-house control software written on all rigs for complete control and customisation
- 'Under-one-roof' engineering – our integrated community of cross functional and technical specialist engineers are on hand to offer the optimal support for rapid product development, problem resolution and knowledge transfer if required
- Custom rig design and automation routine services available for further cost savings



- ### Recent Customer Projects
- Motor and Inverter sign off
 - System integration testing
 - Automated breather expulsion investigations
 - Accelerated product validation
 - Attribute refinement and optimisation – shift feel, clutch judder, NVH, thermal performance
 - Clear casing EDU lubrication system development
 - Clutch characterisation
 - Product and vehicle powertrain benchmarking
 - IPG Carmaker-driven 5E rig powertrain test
 - Park-lock engagement verification

Guided and virtual facility tours available