

High-Performance Modular Engine Test Cell

Millbrook has a high-performance, high-speed test cell for engine durability and performance testing. It is self-contained and totally secure with its own control room. The cell can accommodate additional equipment as required.

Applications

- High performance engine testing
- High accuracy fuel measurement

Facility Specifications

- 523kW / 1,120Nm high-dynamic AC dynamometer
- Dyno inertia 1.3kgm²
- Maximum speed 9,000 min-1
- Measurement of up to 96 temperatures and 16 pressures
- Numerous analogue and digital input/output channels
- Cell and engine intake air control between 20°C to 35°C +/- 2°C
- Engine coolant control to +/- 1°C
- Test bench intercooler temperature control to +/-1°C
- AFR measurement (multiple channels)
- ETAS Inca ECU calibration tools with ASAP3 connection
- AVL Puma Open operating system with functionality to install multiple measurement devices
- AVL Fuel Exact measurement with temperature conditioning



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