

Structural Test Laboratory

Millbrook provides full support for validation testing of systems and components at its Leyland site.

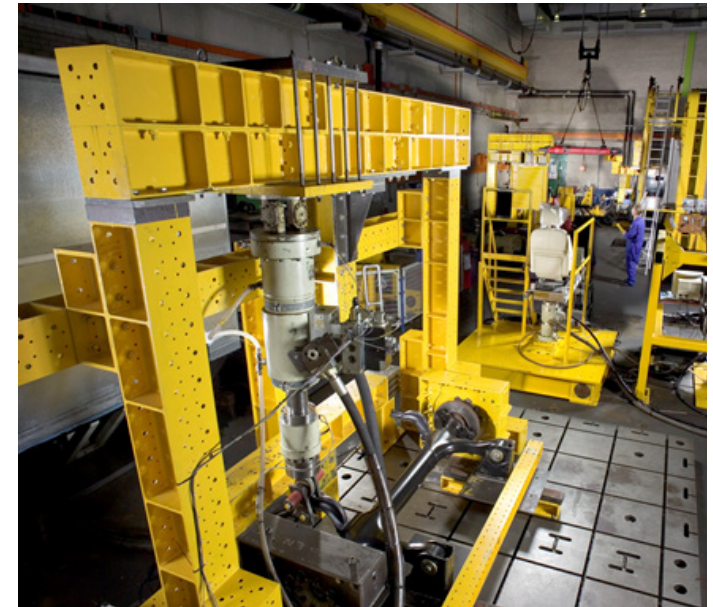
It delivers a range of tests covering environmental, durability and performance assessment of body and chassis systems from passenger cars through to heavy trucks and buses.

Specification

- 800m² laboratory
- Electro-hydraulic ring mains
- Reinforced concrete floor grid and a dynamic modular beam system
- Hydraulic actuators up to 500kN
- Single and multi-axis
- 600°C diesel burners
- MTS RPC drive signal generation
- Multi-axis shake table

Applications

- Stress and strain analysis
- 4 or 6 point beam axle testing
- Air suspension axle testing
- Multi-axis suspension testing
- 7 axis testing for chassis mounted components
- Hub fatigue testing
- Steering system testing
- Static strength, torsion, bending, fatigue, durability and ultimate strength testing
- One-off custom rig tests



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