

ASTM F1805 Testing Service

Test World has a custom-built, all-electric 'Traction Truck', enabling customers to test their winter tyres to the ASTM 1805 test standard. Tyres meeting the standard are branded with the three-peak mountain snowflake (3PMSF) symbol.

The test method employs an instrumented, rear-wheel drive test vehicle – the Test World Traction Truck – to measure average longitudinal and vertical forces acting on the test tyre under acceleration.

Benefits

- New custom-built, all-electric drive vehicle
- Electric powertrain set-up is more environmentally friendly and in-line with shifting market trends
- Electric powertrain also provides more test options over the traditional internal combustion engine vehicles, as it is easier to fine-tune the test parameters for different tyre sizes
- Available all year round on natural snow both indoors and outdoors
- Accredited test reports

Specifications

- Separate 400V drive motors on each axle
 - Front axle drives the vehicle
 - Rear axle spins the test wheels
- Accurate control of test speed and traction
- Electro-hydraulic jacks installed for rapid wheel changing
- Ballast weights for accurate test weight and distribution
- Load cells between rear axle and springs measure forces on both sides

