

## Battery Abuse Testing

Millbrook conducts automated battery cycling and abuse testing. This covers standard, non-standard and development testing, including the full suite of UN38.3 and ECE R100 requirements. It delivers safe battery validation and verification testing and has a thorough understanding of battery and safety standards.

Millbrook has over 100 battery cell, 9 battery module and 30 pack test cyclers which are used to support abuse and durability testing. Millbrook routinely tests all major Lithium-ion and a range of other chemistries. It optimises battery testing time and accommodates requirements at short notice to minimise customer development times.

### Example Tests

- Vibration
- Mechanical crush, impact and shock
- Thermal shock and cycling
- Drop
- Immersion
- Penetration
- Fire resistance
- Over discharge
- Over charge
- Over temperature
- Short circuit
- Altitude
- Turnover



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