

Battery Pack EOLT



About

The battery is one of the most important components in a car. The requirements in terms of quality and safety are very high, since problems in the field are costly and can damage the reputation significantly. HAHN Automation Group end-of-line test systems are realized specifically according to customer requirements thanks to a modular concept. They ensure reliable and fully automated operation during both ramp-up and series production.



In cooperation with our customers we develop the optimal test scenarios.



We build the test stand with innovative equipment and focus on reliability.



We automate and combine processes to reduce the time for each test cycle.

Turn-Key Solution



- One single source
- Modular concept design
- Manual to fully automated operation

Customized Solution



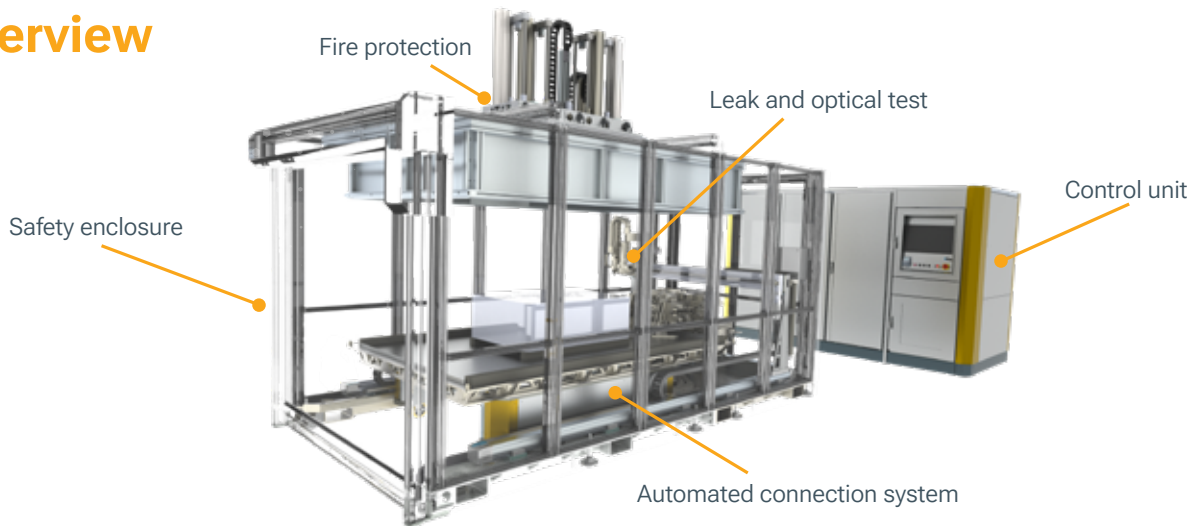
- Product specific tests
- For 90% of the battery packs on the market
- Adaptable for variants

Operation and Service



- Worldwide service support
- Retrofits and upgrades
- Product specific fixtures
- Optimizations

Overview



Scope of Possible Tests

Mechanical properties

- Leak test: Housing
- Leak test: Cooling system

Optical properties

- Tags/sticker/labels
- Damages
- Correct assembly

Electrical properties

- Insulation test

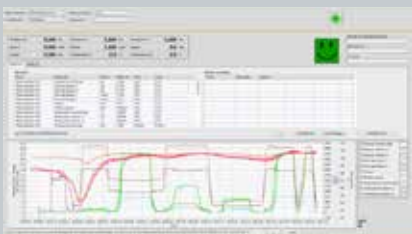
Battery management system

- Communication
- Evaluation of sensors
- Flashing

Performance tests

- Charge
- Discharge
- Peak power test

HAHN Testing Software



- Easy-to-use user interface
- No-code programming
- Modular software platform
- Based on LabVIEW®
- Traceability concepts

Automated Operation



- Handling via AGV
- Automated connection
- Sophisticated fire protection concept

Leak and Optical Tests



- 3-Axis portal
- Rotary unit
- For leak and optical tests