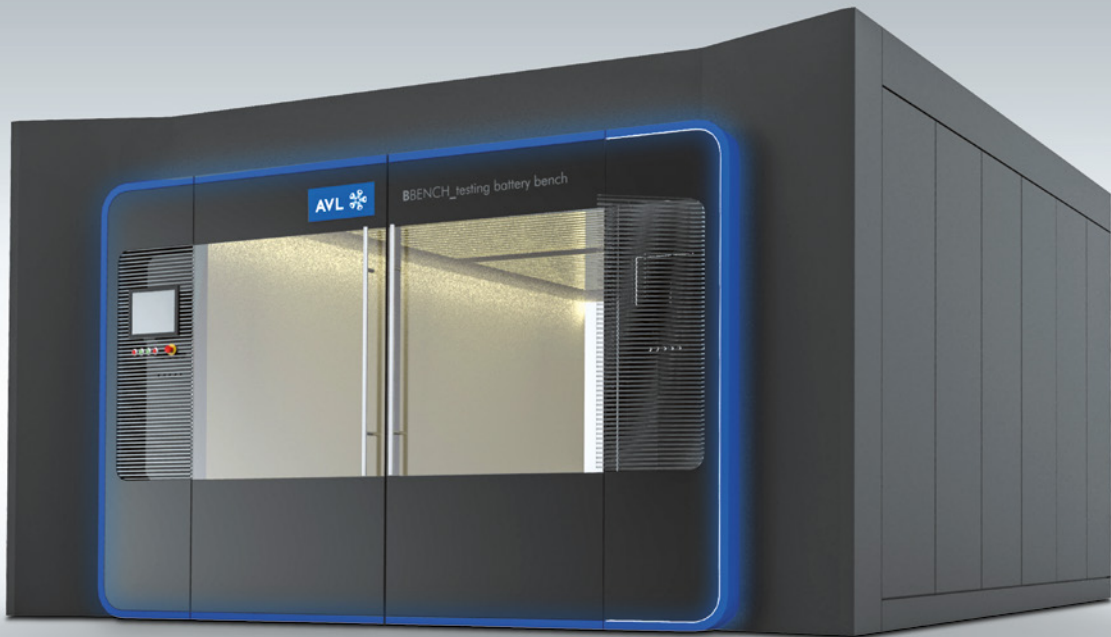


AVL

AVL Battery TS™ End of Line

Driving quality in innovation

THE CHALLENGE

To improve production efficiency and avoid costly recalls, you need consistent and smart testing technology combined with the appropriate industrial automation for an effective production process.

THE SOLUTION

AVL Battery TS™ End of Line provides a reliable and robust solution for End of Line (EOL) and Conformity of Production (COP) testing. The flexible design offers a modular solution for low volumes with an easy optional to upgrade for higher production capacities in the future. Having a small footprint coupled with user- and maintenance-friendly features, it fits seamlessly into any production layout. Backed with extensive knowledge in the design and development of e-powertrains, our team at AVL act as your trusted partner for both product and production testing decisions.

THE ADDED VALUE

- Support for all kinds of production workflows thanks to modular design
- Manual docking, full automatized conveyors and more
- Small footprint
- Global assistance with local support teams

TECHNICAL DATA

DC supply	Up to 1,200 V / 1,600 A
Installed power	From 160 kW up to 800 kW
Communication buses	CAN, LIN, Flexray
PLC	Siemens Simatic S7 with dedicated safety module
Automation system	AVL Puma 2™ Production Battery
HMI and user interface	<ul style="list-style-type: none">• Operator panel 19" for testing operations, cycle parametrization and result overview• PLC panel for data input and debugging
Modular test cell	In/out or pass-through, with manual or automatic doors
External interfaces	LAN, OBD2, USB
IP rating	IP54

This solution guarantees feedback from production to development and back into the production process. Efficient tools in the test system reduce time for product improvements, and customers gain higher product quality in a much faster way. Our test system delivers the complete set of tests required by a high number of applications. You can make the system suitable for Conformity of Production (COP) and pre-pilot testing needs by adding and conditioning coolant. Also, it gives you exceptional free reign over your test configuration.

The solution delivers a wide variety of tests:

Safety Tests

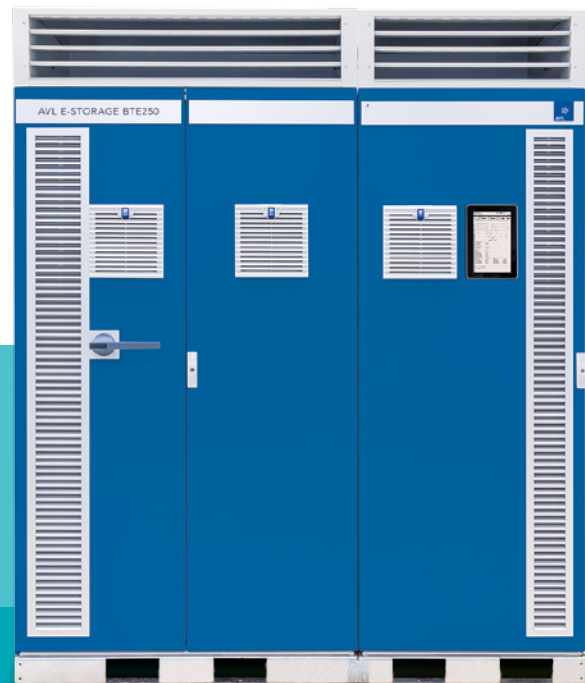
- Potential equalization
- Isolation resistance test
- Dielectric strength test
- HV interlock
- Crash reaction

Functional and Performance Tests

- Housing integrity check
- Cooling system integrity
- BMS tests/flashing
- Sensing check (temp, I, V)
- Contactors check
- Capacity check
- HPPC test (DCIR)
- SOC check
- Cells balancing check



AVL Battery Test System



AVL E-Storage BTE

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FIND OUT MORE

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