Averna

Averna's Batterie Inspektor™

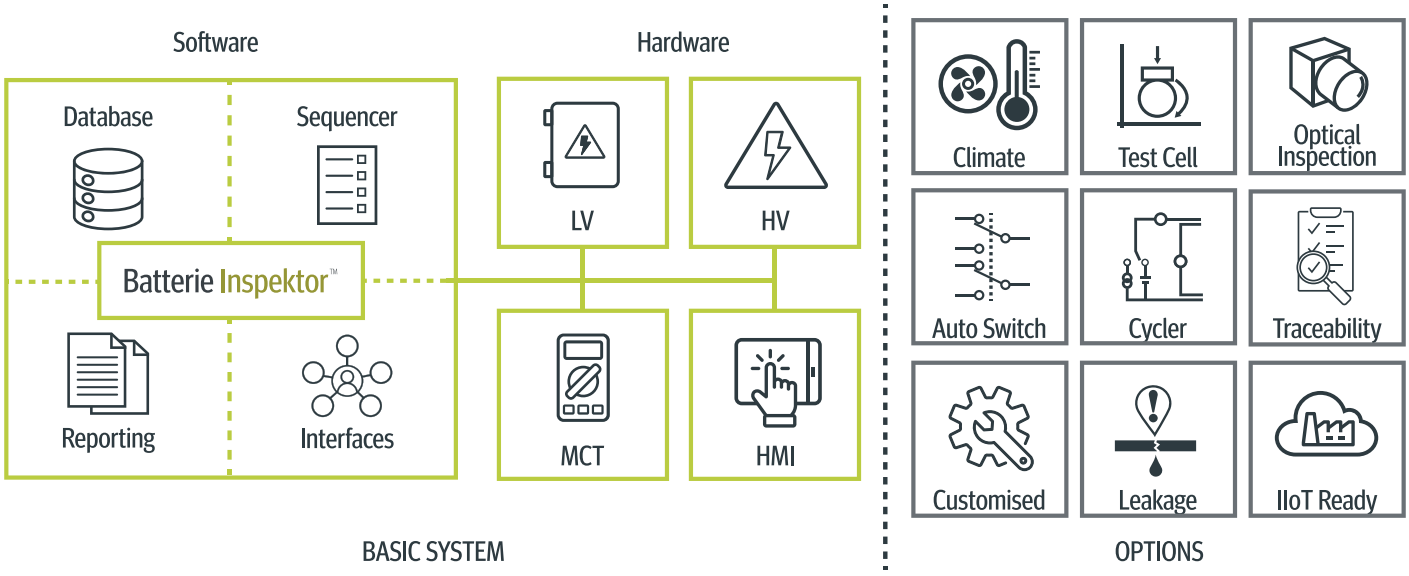
Batterie Inspektor™ integrates market-leading hardware and software for innovative, automated, and digitalized battery testing. With a wide range of test parameters, **Batterie Inspektor™** delivers top quality products including cells, modules, BMUs and packs at every stage of manufacturing.

Batterie Inspektor™

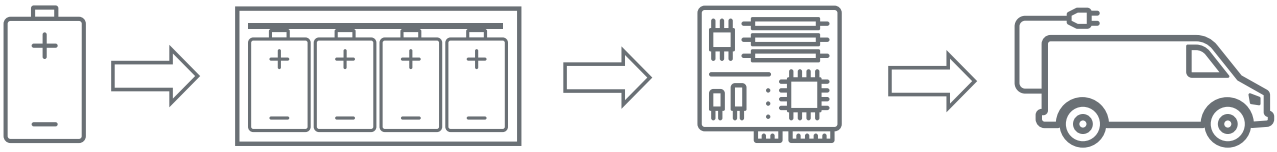
Predictable Battery Quality from Cell to Pack

- A smart and scalable design that best fits all manufacturing requirements from cell to EOL.
- Improved product performance with flexible automation, sustainable retrofitting, and smart data management.
- Increased return on investment with market-leading test and measurement technology and state-of-the-art 2D / 3D image processing.
- Accelerated manufacturing with fast implementation and flexible adaptation to different battery designs and power requirements.

By combining the most diverse hardware and software modules, Batterie Inspektor™ provides a solid standard framework that can be precisely scaled for both new projects and upgrades.



The wide range of test parameters ensures the highest quality at every stage of battery manufacturing.



Cell Module BMU Battery Pack

	Batterie Inspektor™	
Cell (Round, Prismatic, Pouch)	• Surface Inspection • Surface Validation • Classification • Climate Chamber • Cell Cycling - Aging • High Voltage Stability	• Label Creation • Measurements including: › Impedance › Voltage › Current › Temperature
Module	• Surface Inspection • Software Validation • Balancing • State of Charge (SOC) • High Voltage Stability • Leakage (Optional) • Label Creation (ex. Data Matrix Code - Traceability)	
Battery Management Unit (BMU)	• Flash Test • Memory Reading • Measurements • Complete CAN Tracing • Pack Simulation • Dielectric Strength Test	• Insulation Resistance (IR) • Voltage Stability • Software Validation • Safety Functions (ex. Interlock) • Label Creation (ex. Data Matrix Code - Traceability)
Battery Packs	• Flash Test • Climate Panels • Leak Test (Optional) • Test all Systems • Dielectric Strength Test • Insulation Resistance (IR) • Battery Cycling	• Charge to Delivery State • Balancing • State of Charge (SOC) • End of Line Test • Calibration of Battery Pack Equipment • Read BMU Memory • Label Creation (ex. Data Matrix Code - Traceability)

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