

What can we test for you?

Let's get in touch.

LABCO BTC *powered by*

LABCO

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Do you know our associate company LABCO?

LABCO GmbH is an independent test laboratory accredited according to DIN EN ISO/IEC 17025 with the mission to support our customers in the development of products that conform to standards and guidelines.

→ *Check out www.labco.com*

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We test
your battery.

→ *Vibration tests*

→ *Thermal and climatic tests*

→ *Performance analyses*

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Safe, powerful and durable.
These are the requirements for batteries of the newest generation.

Let's put your battery to the test.

In our Battery Test Centre LABCO BTC we focus on the testing of all kinds of batteries. Following our demand to offer our customers a holistic testing approach, we also examine the battery's peripherals such as high-voltage cables or charging connector systems.

Regardless of whether you want to simulate the product life through vibration or test the performance of battery cells, modules or packs through charging and discharging – we offer you a wide range of also complex tests to put your batteries to the limit, already during the development phase.

About the centre.

LABCO BTC is located with a floor space of 2000 m², where our experts put batteries through their paces using state-of-the-art equipment. Thus we are able to test battery packs up to an area of 2.3 m x 2.3 m and a max. weight of 6000 kg.

Energy is precious. Let's handle it with care.

At LABCO we believe in the benefits of battery systems in various application areas. With the opening of LABCO BTC in 2022, we want to make a significant contribution to the development of battery technology and thus also to the energy transition and support it sustainably. Our equipment enables resource-saving testing.

The BTC test portfolio



Vibration test systems

“Shaker“ with temperature chamber

Taking note of the vibration behaviour of your batteries at an early stage will provide insightful information on safety and durability in future applications.

Our 2 electrodynamic vibration test systems can test your batteries with a max. sine force of 300 kN and a max. shock force of 900 kN under various thermal environmental profiles.



Climatic test systems

Powerful and progressive

In most cases, battery systems are exposed to a variety of environmental influences. This includes climatic or thermal environmental conditions.

We provide several climatic and temperature cabinets from 0.35 m³ to 11.5 m³ test space (“walk-in” size).



Battery test systems

Test performances up to 1200 V, 1200 A and 1100 kW

In our performance tests we simulate the product life of your battery cells, modules and packs according to safety, durability and performance.

Our battery test systems test your batteries through high voltage power supply by using the battery test bench automation system with a sophisticated safety technology and safety control system.

