



Electro-chemical analysis equipment

- test of battery systems



Source: Vacuum atmospheres BioLogic und Comsol

Electric machines, drives and power electronics lab

- E-machines/drives test benches
- vehicle grid simulator
- power electronics test benches
- concentricity analysis
- digital power analysers
- dynamic electronic sources and loads for experimental simulation of effects in vehicle grids
- battery tester
- test setups for characterisation of power semiconductor devices under lab and climate conditions

Specifications:

- high voltage source 3kV/10A
- low voltage source 15V, 3000A
- 2 rotating ac-converters 10-100Hz, ... 920V, 100kVA
- 2 rotating dc-converters ... 460V, ... 125kW
- bi-directional dc-source up to 1.200V
- 3 bi-directional dc - sources 30kW, up to 750V
- bi-directional, high-dynamic dc-source 40kW
- 1~ac-source up to 6kHz (sinus), 5kW
- passiv loads

