



## Description

- The MAP provides comprehensive functionality in the field of battery research to automatically perform typical tasks in studies dealing with battery materials or full cell tests.

## Further information

- All the components can also be used as standalone devices
- Coupling with FINALES enables automated or autonomous studies

## Specifications

### ■ Components

- ASAB
- AutoBASS
- Cyclor
- X-Pulse NMR
- Densimeter DMA 4100
- Viscometer Lovis 2000M/ME

- Electrolyte preparation and cell assembly in nitrogen glovebox

## Publications

- [1] Stein, H. S. *et al.* From materials discovery to system optimization by integrating combinatorial electrochemistry and data science. *Current Opinion in Electrochemistry* **35**, 101053 (2022).
- [2] Vogler, M. *et al.* Brokering between tenants for an international materials acceleration platform. *Matter* **6**, 2647–2665 (2023).
- [3] Vogler, M., Steensen, S. K. *et al.* Autonomous Battery Optimization by Deploying Distributed Experiments and Simulations. *Adv. Energy Mater.* **14**, 2403263 (2024).