



Specifications

- Mobile miniaturized electrochemical cell positioned with force sensor control
- **Maximum force** 2 N (resolution 0.5 mN)
- PTFE tip
- Large samples and demanding sample contours accessible with linear stages up to 145 mm travel

Further information

- Automated operation possible with HELAO

Publications

- [1] Rahmanian, F. *et al.* Autonomous millimeter scale high throughput battery research system. *Digital Discovery* **3**, 883–895 (2024).
- [2] Rahmanian, F. *et al.* Enabling Modular Autonomous Feedback-Loops in Materials Science through Hierarchical Experimental Laboratory Automation and Orchestration. *Advanced Materials Interfaces* **9**, 2101987 (2022).

Description

- **Use cases**
 - Investigation of SEI formation
 - Studies analyzing different electrolyte formulations and/or electrode materials in half-cells