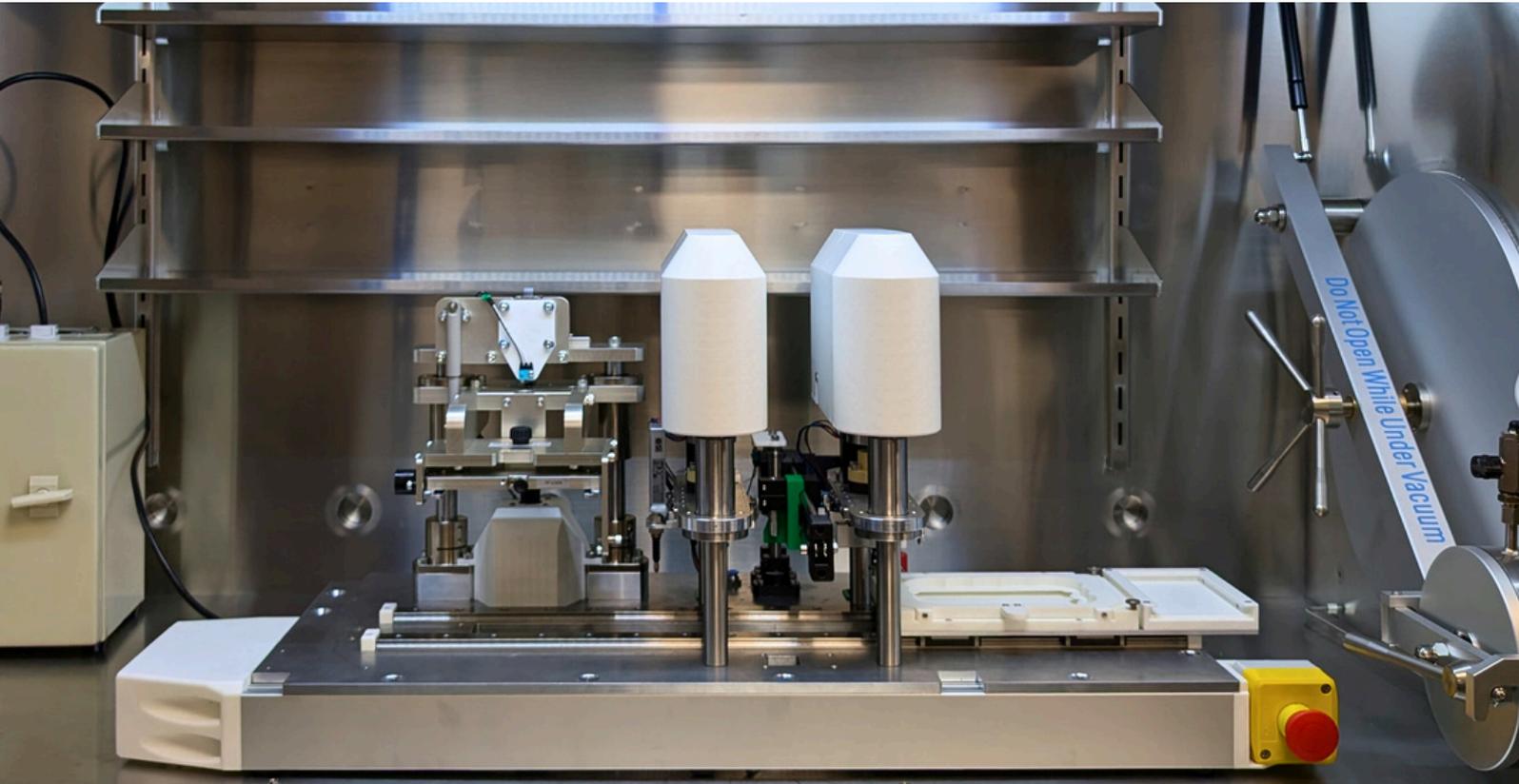


E-PREP | THE ELECTRODE PREPARATION SYSTEM

Automate Your Electrode Preparation for Superior Battery Research



The Electrode Preparation System (E-PREP) from Cellerate offers a fully automated solution for cutting, weighing, and measuring electrodes for coin cells and small pouch cells with unparalleled precision.

Developed in collaboration with the Centre for Process Innovation (CPI), the E-PREP System streamlines your workflow, from material preparation to cell assembly, reducing manual handling and ensuring consistent, high-quality results every time.

Why Choose the E-PREP System?

Maximise Efficiency: Free up skilled staff for high-value research tasks.

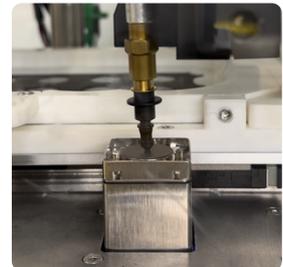
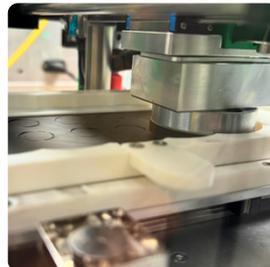
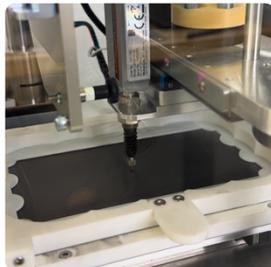
Improve Data Quality: Consistent, repeatable sample preparation improves research reliability.

Reduce Manual Errors: Automation minimises human error in the electrode preparation process.

Simplify Your Workflow: Seamless integration with the Cellerate CASS for a streamlined lab experience.

E-PREP | TECHNICAL SPECIFICATIONS

Size and Weight	1000 x 350 x 300 mm (WxHxD) 70 kg
Power Requirements	80 - 260 V accepted, 240 W peak power
Throughput	Up to 60 electrodes per hour
Operating Environment	Glovebox or dry room
Resistance Measurement System	Probe: Hioki RM2610 Measurement Parameters: Composite resistivity (Ωcm) and interface resistance (contact resistance) between the composite layer and current collector (Ωcm^2) Number of Probes: 46
Thickness Measurement System	Probe: Mitutoyo Linear Gauge LG100 Precision: $\pm 1 \mu\text{m}$ Sheet Dimensions (min): 50 x 50 mm Sheet Dimensions (max): 150 x 100 mm
Cutting System	Tool: Knife die (laser option available) Electrode Dimensions: Up to 19 mm disc, or custom shapes on request Customisation: Compatible with a wide range of die shapes and sizes to suit your application
Weighing System	Microbalance: Mettler Toledo SPC115-111 Precision: 0.1 mg (0.01 mg option available)



 **CELLERATE**

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