# DATASHEET

## Single-Point Pressing Solid-State Battery Test Mold

Single-point axial pressing solid-state battery mold with 5 T stack force, φ10 mm cavity, PEEK-ceramic composite, Standard and With-Sensor variants on one page

**APPLICATION**

1. Solid-state electrolyte powder preparation and pellet forming
2. Sheet/pellet molding and all-solid-state battery assembly
3. Ionic-conductivity testing and electrochemical performance evaluation
4. Lithium-metal anode / solid-electrolyte interface studies
5. Oxide, sulfide, and polymer solid-electrolyte screening

**KEY SPECS**

- Material: Ceramic, PEEK, alloy steel
- Cavity Diameter: φ10 mm
- Mold Body Dimensions: Φ36 × H62 mm
- Mold Body Weight: 180 g

## 1. Specifications

| | |
|---|---|
| **Material** | Ceramic, PEEK, alloy steel |
| **Cavity Diameter** | φ10 mm |
| **Mold Body Dimensions** | Φ36 × H62 mm |
| **Mold Body Weight** | 180 g |
| **Max Stack Force** | 5 T |
| **Sealing** | Dual-seal ring structure |
| **Pressure Sensor Range** | 500 kg / 1000 kg / 3000 kg / 5000 kg |
| **Max Operating Temperature** | 200 °C |

## 2. Product Details

uses single-point axial pressing for a straightforward, Uniform pressure application under low pressure to prevent micro-short circuits caused by pressure offset load; glovebox-friendly workflow covering powder pressing, pellet forming, cell assembly, and conductivity testing. The Standard variant is mechanical-only; the With-Sensor variant adds an integrated load sensor with 500/1000/3000/5000 kg ranges.

## 3. Order / Quote

| Model | Pack Size | Availability |
|---|---|---|
| **SS-D-C** | LabCore Single-Point Pressing Solid-State Battery Test Mold, 1 pc | Made to order (quote) |
| **SS-D-Y** | Single-Point Pressing Solid-State Battery Test Mold With Pressure Sensor 1pc | Made to order (quote) |

**Current pricing and ordering: labcorematerials.com/products/labcore-mold-single-point-pressing-mol5b100a/**

## Contact

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www.labcorematerials.com/products/labcore-mold-single-point-pressing-mol5b100a/