LabCore
MATERIALS

Single-Point Pressing Solid-State Battery Test Mold

Single-point axial pressing solid-state battery mold with 5 T stack force, Dia. 10 mm cavity, PEEK-ceramic composite, Standard and With-Sensor variants on one page

Testing Equipment

Materials Characterization

Energy Storage

labcorematerials.com

Single-Point Pressing Solid-State Battery Test Mold

Product Overview

Single-point axial pressing solid-state battery mold with 5 T stack force, Dia. 10 mm cavity, PEEK-ceramic composite, Standard and With-Sensor variants on one page

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.

Technical Specifications

Parameter	Value	Unit
Material	Ceramic, PEEK, alloy steel	
Cavity Diameter	Dia. 10	mm
Mold Body Dimensions	Dia. 36 x 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

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

business@labcorematerials.com

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