

# Solid-State Battery Research Laboratory Hydraulic Hot Press

Item Number: ZY14



## Introduction

This laboratory hydraulic hot press offers precise temperature and pressure control for solid-state battery research, featuring dual heated platens up to 300°C, 10-ton force, integrated water cooling for rapid thermal stabilization, a 7-inch touchscreen, and automatic pressure maintenance.

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| Technical Parameter           | Specification Value                                              |
|-------------------------------|------------------------------------------------------------------|
| Model                         | ZY14                                                             |
| Platen Working Temperature    | Ambient to 300°C                                                 |
| Heating Power                 | 2800 W                                                           |
| Platen Dimensions             | 200 × 200 mm                                                     |
| Daylight (Platen Opening)     | 50 mm                                                            |
| Working Pressure Range        | 0 - 10 Metric Tons (approx. 0 - 100 kN)                          |
| Pressure Control Accuracy     | ±0.1 Metric Ton (±1 kN)                                          |
| Pressure Maintenance Function | Automatic pressure maintenance with real-time micro-compensation |
| Platen Cooling Method         | Circulating water cooling                                        |
| Power Supply                  | AC 110V / 60Hz                                                   |
| Controller Interface          | 7-inch touchscreen display                                       |
| Physical Dimensions           | 320 × 290 × 420 mm                                               |
| Net Weight                    | 100 kg                                                           |