

# Laboratory Hydraulic Hot Press For Solid-State Battery Research And Manufacturing

Item Number: MY08



## Introduction

This laboratory hydraulic hot press is designed for solid-state battery electrolyte preparation, offering dual-plate heating (up to 300°C), 40-ton force, and programmable pressure cycles with automatic re-pressurization. Ideal for composite lamination, powder compaction, and features a built-in safety interlock.

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| Parameter                       | Specification                                      |
|---------------------------------|----------------------------------------------------|
| Model                           | MY08                                               |
| Platen Size                     | 500 x 500 mm                                       |
| Maximum Working Temperature     | $\leq 300^{\circ}\text{C}$                         |
| Rated Heating Power             | $\leq 12\text{ kW}$                                |
| Heating Control Method          | Independent programmable control for dual platens  |
| Maximum Working Pressure        | 40 T (400 KN)                                      |
| Pressure Power Source           | Hydraulic upward-pressing                          |
| Platen Daylight Spacing         | 60 mm                                              |
| Pressure Control Method         | Programmable pressure / dwell pressure control     |
| Pressure Control Accuracy       | $\pm 1.0\%$ of full scale                          |
| Automatic Pressure Compensation | Integrated automatic re-pressurization loop        |
| Controller Interface            | 7-inch touchscreen panel                           |
| Safety Interlock                | Automatic cycle interruption upon opening the door |
| Power Supply                    | Three-phase AC 380V / 50Hz                         |