



WE MAKE YOUR DREAM

## Laboratory Hot Press



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## NOVA - LHP SERIES

### Introduction

Our NOVA Laboratory Hot Press with integral hydraulic system and high technology options are optimized production press models adapted to precision laboratory requirements. It's easy to move, install, operate, and maintain. Recommended for hot pressing of polymer composite materials to prepare plastic sheets, dumbbell bars, straight and notched bars, vertical combustion samples, oxygen index spline, etc., which can be used for testing the mechanical properties of the materials.

### Features

- Light weighted, easy to move
- Mini size, less space occupation
- Special stainless steel protection, waterproof
- Build-up machine and replaceable parts, easy to install and maintain
- High security using manual pressure control
- One joint only, high pressure sealing and oil-leak free
- One machine for multiple purposes, capable of making dumbbell samples, impact notch samples, etc., can save the punching machine, universal prototype machine
- Water cooling, smooth samples with shortened sample preparation time

### Typical Application

A hot pressing machine is a device that heating while pressurize a material. It is widely used in various industries such as scientific research, teaching, pharmaceutical, catalytic, chemical, and material research and development.

The lab hot pressing machine is primarily used for high temperature sample pressing test of powder, rubber, plastic film and other solid samples. In addition, it can be used as a small vulcanization instrument. This machine is easy to operate and has a wide range of applications. It is an essential tool for laboratories engaged in research and development.

### Specifications Table

Clamp Force (Ton)	Platen Size (mm)	Max. cylinder stroke (mm)	Temperature Display Accuracy	Mold cooling method	Temperature Range (°C)	Voltage Supply (V)
30	350 × 250	200	PID ± 1 %	Water cooling	40 - 450	380
50	400 × 400	300	PID ± 1 %	Water cooling	40 - 450	380

**Double - Plate Structure**  
**Standard:** ASTM D638  
**Number of thermostats:** 2 sets, heating of upper and lower two plates  
**Thermostat type:** PID temperature controller  
**Pressurization process:** Program Pressurized--Holding pressure--Pressure relief



**NOVA - LHP**  
**30 TON**

