

AUTOMATIC POLYMER PRESS

PRODUCT DESCRIPTION

LABWAN Polymer Film Making Equipment is intended for preparation of cast films or sheets from polymers like LDPE, HDPE, PP, Polystyrene, etc. To prepare the film or sheet from granules or small pieces, it is necessary to heat the sample and simultaneously apply pressure. Suitable dies are used to obtain the required thickness depending upon the application. Temperature and pressure conditions can be set as per the requirement of the sample.



FEATURES

- Adjustable temperature range from Ambient to 350°C.
- PID Controller for precise temperature control.
- Water circulation arrangement for cooling.
- Suitable for polymer film and sheet preparation.
- Compact laboratory design with robust construction.
- Available with single-phase and three-phase power options depending on model.

APPLICATION/USES

- Preparation of cast polymer sheets and Film
- Preparation of films for IR/FTIR spectrophotometer studies
- Preparation of sheets for tensile strength and elongation testing
- Film and sheet preparation from LDPE, HDPE, PP and Polystyrene

Dies for Above All Models:

- SS Die with 50 mm, 0.1, 0.2 & 0.5 mm Spacers
- Special Die for film thickness of 0.02 mm
- Special Die for film thickness of 0.05 mm
- SS Die 100 × 100 mm, thickness 1.0, 2.0, 3.0 mm

Automatic Polymer Press – Technical Specifications

Specifications	LW-A-15	LW-A-30
Maximum Pressure	15 Ton	30 Ton
Temperature	Ambient to 350°C (Adjustable)	Ambient to 350°C (Adjustable)
Temperature Controller	PID Controller	PID Controller
Cooling	Arrangement for water Circulation	Arrangement for water Circulation
Overall Dimension	690 x 270 x 350 mm (approx.)	730 x 300 x 380 mm (approx.)
Weight	65 Kg (approx.)	180 Kg (approx.)
Power	230V 50Hz Single Phase	440V 50Hz Three Phase