

Description :

After Cutting the specimen, the next step is mounting. The aim of mounting is to handle small or odd shaped specimens and to protect fragile materials, thin layers or coating during preparations as well as to provide good edge retention. Mounting produces specimens with uniform size so that it is easier to handle while analyzing them.

Basically, two methods are available : **HOT MOUNTING** **COLD MOUNTING**

In hot mounting, The specimen is mounted under heat and pressure with a hot mounting press.

Cold mounting is preferred for samples which are sensitive to damage from heat and pressure (like coatings, PCB etc.)

Cold mounting resins are easy to use and require mixing which is then poured into a mould and allowed to set.

DIGITAL HOT MOUNTING PRESS



MOULD DIAMETER	Standard : 45mm Customized Size : Facility Available
INPUT VOLTAGE	220 Volts / 50 Hz
POWER	650 Watts
DIMENSION	340x260x430mm
WEIGHT	33 kg.

Consumables	Diameter of the Mould	Volume of Powder	Heating Temperature	Inlaying Time	Cooling Time
Formaldehyde Moulding powder (White)	45mm	35 ml.	130°C	25 minutes	15 minutes
Ebonite powder (black)	45mm	35 ml.	135-150°C	20 minutes	15 minutes



MANUAL MOUNTING PRESS :

7001MMP is Manual Mechanic Mounting Press with 25mm size of mounting mould. Temperature and heating time can be setup and shown manual on the panel.

This is an economical and rugged Mounting Press activated by a hydraulic press, with a pressure gauge to read the pressure being applied while mounting. The press is supplied complete with mould heater and thermostat with 25mm dia mould assembly.



SPECIMEN LEVELER PRESS :

The Press has unique wedge design helps specimen clamping, perfectly parallel to the grinding disc ensure uniform lapping/grinding. The Press method for ensuring that the metal surface is exactly perpendicular to the optical axis of the microscope.