

## **TECHNICAL SPECIFICATIONS FOR AUTOMATIC SPECIMEN MOUNTING PRESS WITH ACCESSORIES**

Specimen Mounting Press with electro hydraulic pressure system, LCD display and touch pad controls. 1500 Watt heating power with 220V supply, water cooled molds. Heat and cool time two temperature and pressure controls.

1. Molding pressure	100-300 bars
2. Molding temperature	50-180°C
3. Power source	220-240 V AC/ 50Hz / Single phase
4. Heating power	1500Watt at 220-240 V AC
5. Controls	Front panel, Touch pad controls and LED display
6. Heating time	0-20 minutes in 10 sec increments
7. Cooling time	0-30 minutes in 10 sec increments
8. Mold type	Cylindrical including upper and lower rams and duplex mold spacer
9. Mold diameters	25, 30, 40 and 50 mm
10. Preload pressure	0-30 bar in 5 bar increments

### **Standard accessories**

1. Mold assembly with duplex spacer 25 mm
2. Mold assembly with duplex spacer 30 mm
3. Mold assembly with duplex spacer 40 mm
4. Mold assembly with duplex spacer 50 mm

### **Consumables**

- |                                           |                   |
|-------------------------------------------|-------------------|
| 1. Black phenolic powder                  | 5 lbs (2.3 kgs)   |
| 2. Red phenolic powder                    | 5 lbs (2.3 kgs)   |
| 3. Green phenolic powder                  | 5 lbs (2.3 kgs)   |
| 4. Trans Optic powder                     | 5 lbs (2.3 kgs)   |
| 5. Epomet molding compound                | 4 lbs (1.8 kgs)   |
| 6. Probemet mounting resin, copper filled | 4 lbs (1.8 kgs)   |
| 7. Powdered mold release                  | 1.6 oz (45 grams) |

### **Spares**

- |                                         |       |
|-----------------------------------------|-------|
| 1. Solenoid valve, 12 V DC              | 2 nos |
| 2. Thermocouple 12"                     | 2 nos |
| 3. Heater Cartridge, 115 V (230V)       | 2 nos |
| 4. PCB, logic and LCD controls LF       | 1 no. |
| 5. PCB, power controls, High Voltage LF | 1 no. |

The specimen mounting press should be supplied with suitable compressor and accessories. Details to be furnished.

### **Operating & instruction manuals and maintenance & service manuals – 3 copies each**

Demonstration of its functioning in BHEL laboratory to be arranged.

Address of the Indian agent along with appropriate certificate from the Principal Supplier should be provided.

The suppliers should mandatorily provide the list of various organizations (including in India) with their contact addresses, where similar equipment has been supplied.

The supplier should ensure that the spares are made available for the next 10 years. Essential spares required for trouble free operation for 5 years should be quoted.

The supplier shall provide 12 months warranty from the date of commissioning.

Only reputed manufacturers with ISO 9001 certificate need to quote.

**For any Technical Clarification, please contact :**

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