

1. SPECIFICATION: PRESSURE FORMING MACHINE

SR .No Description Specifications

- 1 Forming Area ----- 600mmX600mm
- 2 Chain Movement ----- Gear Box with Motor
- 3 Safety Devices ----- Emergency Switch on Front Panel
- 4 Heating Elements Ceramic ----- – Imported
- 5 Timer ----- Make -Selectron
- 6 Limit Switch Make-----Siemens
- 7 Chain (Duplex) ----- Make–Diamond
- 8 Pneumatic Valve Make– -----Janatics
- 9 Pneumatic Cylinder Make– -----Janatics
- 10 Solid Stay Relay (SSR) Make----- Unisons
- 11 Electric Wire Polycab, Finolex
- 12 Thimbles Make– Dowels
- 13 Material Used PP, HIPS, PVC, PET
- 14 Electronic & Electrical Item Make - L&T
- 15 Heat Control PID Make – Udian
- 16 Electric Load 35kw
- 17 Amp. Meter Diplomat
- 18 Heating Top & Bottom
- 19 Vacuum Tank Customized
- 20 PVC Connector Phoenix
- 21 Machine Doors, Frame & Parts Powder Coated

Automatic Vacuum forming Machine	Forming Area (Min.) - 0 650 x 350mm Forming Depth / Draw (Max.) - 1 to 130mm Sheet Thickness (Min. – Max.) - 0.3 to 2mm Material to be formed - HIPS, PP, PET,PVC Heating load - Max. 20 KW	01
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2. Melting Point Apparatus:

Department Specification
Make, Model, Series & Sr. No.: To be specified by Bidder for all including accessories
Reference Standard: ISO 3146
Purpose: Determining for melting point of polymers
Temperature range: From ambient to 400 °C
Resolution: 0.1°C
Accuracy: $\pm 0.1^\circ\text{C}$
Heating Rate: 0.1°C to 20°C
Cooling System: 5 to 6 min (300°C to 50°C)
No of capillaries: Min 05 melting point capillaries
Power: 230 Volts, 50Hz, single phase.
Other Mandatory Items: Machine control should be through PC software. Melting Graph should be obtained in the results format. While supplying the Machines, the supplier should also provide the following items apart from above: <ul style="list-style-type: none">• Hard copies of Operational & Service Manual- 01 Set• NIST/NPL Traceable Calibration certificate • Machine should come with all other essential accessories & spares required for installation, commissioning & Operation