

Equipment Name & Model No: WAX MELTING & CONDITIONING UNIT : - WM – 50

Application: The Wax Melter is a wax-melting and conditioning machine. Purchased IC Wax is in the form of solid slabs. This is melted, conditioned and brought to a certain pre-determined temperature before transferring it to the wax injection machines.

Specifications and Salient Features:

Melting Chamber	:	A Slab melter of 30Kg capacity is provided at the top of the Conditioning chamber. Wax slabs are stacked in the slab melter. The molten wax flows into the Conditioning tank and is stirred continuously at a constant temperature to form a uniform blend.
MOC	:	MS.
Thermal Insulation	:	The melting chamber is insulated on all sides with 64 Kg/m ³ Ceramic fiber and clad with powder coated MS sheet for protection.
Melting rate	:	15Kgs / hr.
Conditioning Tank	:	50 Kgs – capacity, Dia. 400mm X 500mm Ht.
Heat Source	:	Electrical heaters designed to maintain constant tank temperature. The heater is easily accessible for maintenance.
Stirrer	:	A sturdy and well-designed stirrer mounted on thrust bearings is provided to ensure homogeneity of the wax blend.
Stirrer Drive	:	1/4th Hp geared motor 3Phase AC supply 415V. Make – REMI / Bonfiglioli
Wax drain	:	3/4th” heavy-duty ball valve. Provided with a drain heater.
Control Panel	:	Mounted on the equipment. Provided with mains indicators, heater on/off indicators, Power switches, Fuses, control switches & digital temperature controllers. The panel is designed with separate power circuit and control circuit and provided with emergency cutoff switch.
Temperature	:	Temperatures of slab melter and Conditioning tank are controlled by separate PID temperature controllers.
Working Temp.	:	upto 120 deg for slab melter and 100 deg for conditioning tank - Settable.
Painting	:	The entire exterior of the machine is powder coated.
Total Power	:	3 Kw.

