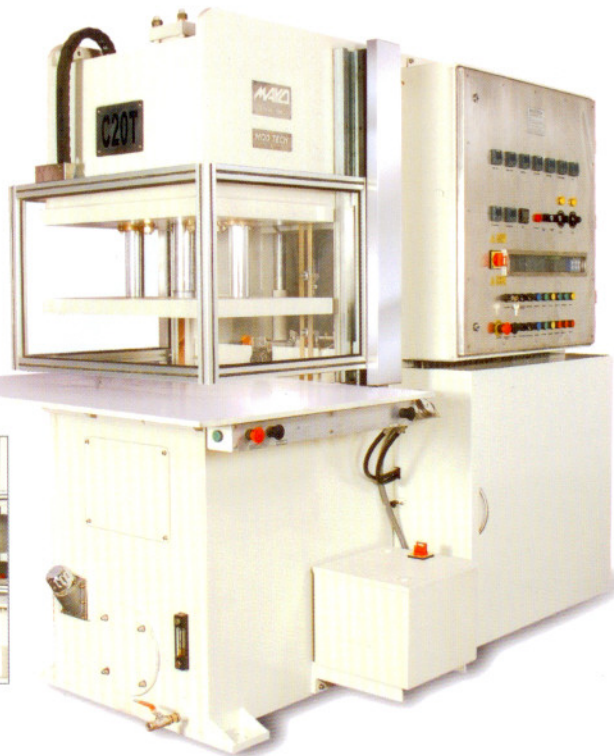


MODTECH WAX INJECTION MACHINE

20 TON, 'C' - FRAME TWIN TANK WAX INJECTION MACHINE



SPECIFICATIONS

DESCRIPTION	20 Ton Vertical Downward Clamping, Horizontal Injection, Semi Automatic Wax Injection Machine
NOZZLE TYPE	18mm Spherical Radius with Motor Driven Adjustment
NOZZLE AJUSTMENT	Hydraulic Driven, In-Out 250 mm, Up-Down 200mm
MAXIMUM SINGLE SHOT SIZE	4 Litres
MAXIMUM INJECTION PRESSURE	1000psi
CLAMP PLATEN SIZE & DAYLIGHT	730mm Wide x 550mm Deep, 400mm Daylight
TABLE	1 Metre From Floor. Service Table Projection 350mm Deep in U Shape
DWELL TIME	Solid State Digital Display 0-999 Seconds
WAX MELTING TANKS x 2	Twin 60 Litre Capacity with Motorised Stirrer, Slip Coupling, Annular Tube Type Reservoir with Triple Band Heater. Independent Temperature Control For Top & Bottom of Tank. Heated Wax Drain Valve. The tanks are mounted at the side of the machine, with switching from one tank to the other by means of a control panel mounted switch that actuates a shuttle valve
TEMPERATURE CONTROL	Independent Eurotherm Solid State Digital Temperature Controllers Allowing Control Over Wax Tank Top, Wax Tank Bottom & Injection Block. Additional Temperature Controller Fitted for Customer to Control Die Cooling (Cooler at Extra Cost). Sunvik Type Controllers for Nozzle and Wax Drain Valve
SAFETY	CE Marked with Dual Push Button for Cycle Start, Overheat Alarm for Injection Block & Wax Tank Nozzle Strike Safety. Fitted 3 Sided Pneumatically Operated Guard.
AUTO SEQUENCE	Push Twin Start Buttons - Guard Down - Clamp Down - Suction of Wax - Nozzle Forward - Injection - Nozzle Return - Surplus Wax Back to Tank - Clamp Up - Guard Up
ELECTRICAL POWER & LOAD	14 KVA: 380/440 Volts - 50HZ
PNEUMATIC REQUIREMENT	4 cfm at 80 psi
HYDRAULICS	5 hp Pump Unit, 22 Litres Per Minute, 100 Litre Capacity Tank
DIE MOUNTING	M12 Holes in Top & Bottom Platens
Extras with Modtech Machines	
Slab Wax Pre-Melters	Mounted on top of the wax tanks to enable molten wax to be introduced into the main holding tank. This unit trips on and off as required to introduce molten wax as the holding tank needs it. It is vital with a wax press designed for paste wax production, that the holding tank is kept at least 90% full at all times, otherwise the temperature reducing process will not work effectively.
Rear Steps	to permit easy filling of the wax tank pre-melt unit.
Platen Cooling System	Platen cooling passages in bottom and moving platens and / or temperature controllers to control the temperature of both the platens.
Hydraulic Pattern Ejector	100 mm Stroke Hydraulic pattern Ejector in the bottom Platen
Modtech Paste Unit	This is a special system developed to lower the wax temperature in lesser time and to convert the wax in a pasty form to reduce the shrinkage and cycle time due to high temperature of wax going in to the die.
Die Shuttle Table	A Single or Two station hydraulic shuttle table for the big and heavy dies which are difficult to handle due to odd sizes and over weight.

Note : Whilst every care has been taken in the preparation of this brochure, Modtech reserves the right to change or alter the specifications as may be necessitated without prior notice.