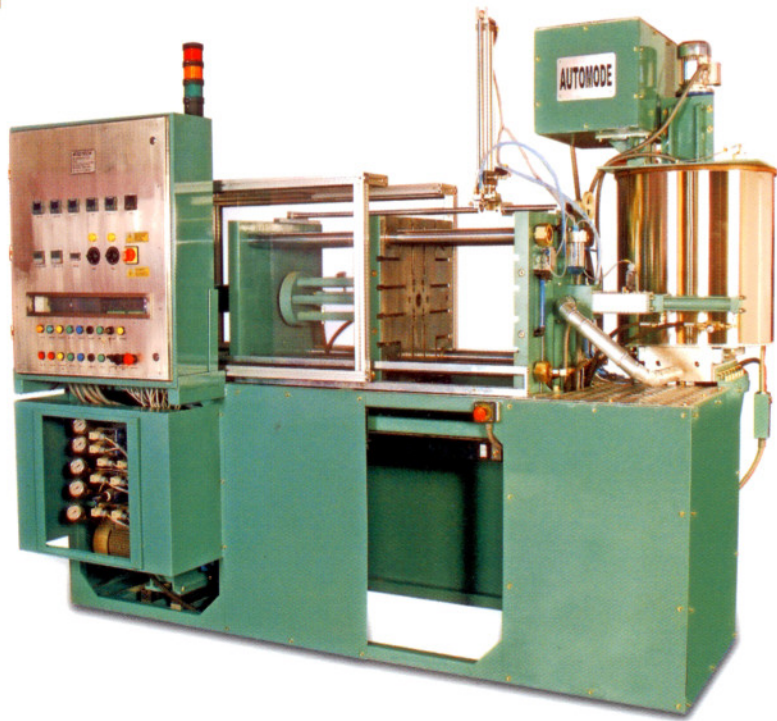


MODTECH FULLY AUTOMATIC WAX INJECTION MACHINE

12 TON, 4 - PILLER
WAX INJECTION
MACHINE



SPECIFICATIONS

DESCRIPTION	12 Ton Horizontal Clamping, Through Platen Horizontal Injection, 4 Pillar, Fully Automatic, Hydraulic Wax Injection Machine
DAYLIGHT	500 mm
NOZZLE TIP	Flat Nozzle 8mm Internal Diameter
NOZZLE HEATER	Twin timer based on / off control.
SINGLE SHOT	1500 cc
PATTERN EJECTOR	100 mm Stroke from the Platen Surface
SPRAY SYSTEM	Pneumatic Cylinder with fitted Silicon Spray System and Pattern Knock Off Facility
ADMIT BETWEEN PILLARS	400 mm wide x 400 mm deep
NOZZLE CENTRE HEIGHT	1250 mm from Floor
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). Twin timer based on / off control for Nozzle heater & Thermostat Type Control for Drain heater.
SPRUE EJECTOR PIN STROKE	130 mm
DWELL TIME	Solid State Digital Display 0-999 seconds.
WAX TANK	100 Lit. Capacity with motorized stirrer, slip coupling, heated drain valve, annular tube type reservoir and tripple band heater
SAFETY	Machine provided with Harmonized European Standard EN 954-1, Category 3 safety control system. Fitted with Fail Safe Safety Relay, which monitors integrity of all safety devices used in machine through dual channel logic. CE marked with Cycle Start Push Button Interlocked with Auto Selector Switch, Dual Push Button for Cycle Start, Alarm Settings for Block and Wax Tank Temperatures, Pattern Drop Sensor, Sliding Guard in Platen movement area and Emergency Stop Push Button.
AUTO-SEQUENCE	Push to Start - Guard Across - Platen Close - Suction of Wax - Nozzle Forward - Injection - Nozzle Return - Platen Open - Sprue Ejector & Pattern Ejector Out - Knock Off & Spray Cylinder Down - Spray On Knock Off & Spray Cylinder Up - Sprue Ejector & Pattern Ejector In - Surplus Wax to Tank Next Injection
ELECTRIC LOAD	8 KVA - 415 Volts / 3 Phase / 50 Hz.
PLC TYPE	Siemens/BCH/Allan Bradley Relay Version
SPRAY COUNTER	Digital Display Solid State Counter 0 999. Counter Value Signals Spray Start
PATTERN COUNTER	Digital Display Solid State Counter 0-999
PATTERN DROP SENSOR	Machine will not cycle unless this sensor has detected a wax pattern passing it, thus preventing die and possible machine damage
DIE MOUNTING	T Slots in Moving and Fixed Platens
PLATEN COOLING	Standard Four passages in both Fixed and Moving Platens.
INJECTION PRESSURE	5-50 BAR with Manual Adjustment
INJECTION FLOW	Manually Adjustable Flow Control

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.