

Modtech 4 Pillar FULLY Automatic Wax Injection Machines Logical & Intelligent

Modtech unveils a modern range of 4 Pillar Fully automatic wax injection press



Exciting Features

Shipped as PLUG & PLAY machines, with the intention to start producing production wax patterns, within 48 hrs of delivery of the machine

Logical cost effective design

Unique REMOTE access for fast problem solving via direct internet Modtech factory support

High degree of machine customisation available, including customer specific machine colours, die securing methods, platen sizes, supply voltages/frequencies and country specific parts

Injection System

New and Improved Sealing System to handle Pattern Virgin Wax, Riser Wax, Reclaimed Wax & Water Soluble Waxes

Rapid Wax melter with Auto Fill Up Vacuum Loader as standard Add on

Effective Agitator design in Sync with improved sensors for homogeneous temperature control in wax reservoir and wax path

Clamping System

Highly compact design, engineered to take up the minimum amount of floor space

Fastest in the segment, machines are designed to work with the shortest possible cycle times, enhancing productivity

Generous maximum open daylight and open die working areas

Efficiency booster add ons to suit customers specific needs and applications, Shuttle Tables, Pattern Ejectors, Platen Heating/Cooling etc.

Safety & Controls

Full compliance with CE Standards and other worldwide standards as required

Control system upgrades available, to keep pace with the latest developments in hardware and software, for the entire life of the machine

Built to universal logical design standards, with easy worldwide spare parts availability

Modtech FULLY Automatic Machines host some of the “best in class” features for productivity, speed and accuracy.

New Modtech 1 Touch recipe

All fully auto machines are now with 1 Touch die recipe. Machine sets itself for new die with absolute one touch in touch screen. Creating new recipe is never so easy; following only 5 to 6 easy steps intuitively records a new parameter set

AUTOClamp

Magnetic and Hydraulic quick clamping systems to aid faster die switching time minimizing die set up time

AUTOCor

Machine fitted with fully programmable adaptable core / loose piece cylinders with provision of up to 4 cylinders (hydraulics / pneumatic). Core Push Pull Sequence is also freely selectable

AUTOPick

Automode is enhanced by world class fast pick and place robotic systems. Multi axis servo driven all electric actuators with seamless integration with Machine Touch screen is available with a wide range of vacuum and finger grippers. Cost effective water chute with water jet and plastic conveyors are also available for components that can be dropped from height

A high quality Pattern presence sensors work in tandem with most of the dies to check stuck wax patterns and give necessary alarms

AUTOLub

Fully automatic, Multi Nozzle fully programmable 3 axis spray nozzle fitted with positions memorized for each and every die. Lube system also takes existing spray cans to support existing spray mechanism

AUTOEject

Fully programmable with Position and Pressure, ejector cylinder can work at multiple times to adapt special dies

AUTOKool

Wide range of accurate and rapid cooling control for wax reservoir, machine platens and die halves with complete control from single PLC touch screen

AUTOFeed

Topping up of wax to the reservoir / slab melter is fully automatic making these range of machine practically human intervention free even for resources

Major Outline of Product Versions

Clamp Force: 12 TonMaximum Die Size: 600 X 600
Clamp Force: 30 TonMaximum Die Size: 800 X 6800
Clamp Force: 50 TonMaximum Die Size: 1000 X 1000

Wax Reservoir: 120 Lit Single Shot: 2000 CC
Wax Reservoir: 120 Lit Single Shot: 2500 CC
Wax Reservoir: 120 Lit Single Shot: 4000 CC



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