

MASTER INJECT MI-03



HIGH INCREASE OF PRODUCTION

ELIMINATION OF DOWN TIME

QUALITY OF WAX MODELS

EASE OF USE

Description MI-03

MASTERINJECT has built the first (in the world) Injector with vertical loader fully automatic continuous cycle with wax injection, loading, unloading and cooling of the mould to ensure costs reduction for your production and your machinery, facilitating the work for the operator and eliminating down time of the machine or the operator, such as the time of the cycle of the machine and the time of removal of the wax from the mould. The operator has only to remove the wax from the mould and put the rubber in the loader, then the machine loads the mould in the clamp, injects the wax and unload the mould on to the cooling system, ready to remove the wax from inside.

The RFID reader recognizes and reads, automatically, the parameters stored in the microchip that are in the moulds. The cooling temperature can be set from the touch-screen.

COMMON FEATURES



Tank-robust and reliable

Tank with control system of the vacuum and pressure to ensure the elimination of humidity from the tank and the wax and allows the recycle of the wax in excess. Entirely in aluminum and properly insulated from the environment to ensure better melting of the wax and better uniformity of temperature with significant energy saving. Capacity 4.5 liters.

Removable plates

Possibility to increase and decrease the width of the clamp as needed, by removing shims.

Safe

Emergency button to restore the safety conditions: immediate opening and rest position of the clamp, stop the machine cycle and power interruption of the components in voltage

Connectivity

Ethernet connection for data acquisition, control and remote assistance all over the world.

Easy

External Filters visible for a quick and easy replacement.

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MASTERCool

MOD CO-04

CO-04



- Cooler basic model with cooled plate of 400x100 mm

CO-04 D



- Cooler with LCD display and cooled plate of 400x100 mm.

Dimensions (LxWxH): 40x21x8 cm Weight: 4Kg

- Low power consumption
- Fast and Easy
- Noiseless

Utility CO-04 / CO-06

Using the cooler reduces the time of cooling of the mould during the work cycle and the number of mould used for each model with a considerable savings of time and money and consequently an increase of production

ACCESSORIES



- Clamp CLP1010 – Standard clamp interchangeable, plate dimensions 100x100x45/65 mm



- Clamp CLP1513 – Big clamp interchangeable, plate dimensions 150x130x55/75 mm, for large size moulds



- Clamp with "Auto-On" system, plate dimension 100x100x45/55 mm. Automatic start system of the injection ensures an increase of production and ease for the operator



- Injection piston of 25 cm³ of wax, for large moulds which require injection of a larger quantity of molten wax



- Pump VAP14 - Silent and high vacuum pump, directly controlled by the injector, normally included as standard with the injector. Flow rate of 4 m³/hour



- Pump VAP18 – Silent, high-vacuum and high-performance pump, Flow rate of 8 m³/hour to increase production, decrease the vacuum time and increase the quality of the wax models

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