

maxmatic[®]
by METACONCEPT

Sublimate your creations



**French manufacturer
for wax injectors.**

**MAXMATIC
is a Metaconcept
group's brand.**

MAXMATIC is recognized on the world jewellery market and its machines are used by the most famous names in French and international manufacturers.

MAXMATIC has the expertise and technical means to carry out a complete production line or to integrate its tools to your production chain: controls, regulators, filtration, automatic recognition of mould, parameters memories, camera, etc.



MAXMATIC is a guaranteed technical marvel, quality-of-service included!



MAXMATIC offers among **new evolutions**:

- new convenient interface with a 10 inch touch screen,
- automatical injection process,
- advanced production statistics,
- reactive after-sales services.

A wide range of high quality accessories and consumables for lost-wax casting is also proposed, enabling an optimal performance of your production.

MAXMATIC is now established worldwide through a network of local distributors. The commercial and technical teams grant a communication in several languages, enabling an immediate support and reactive after-sales service.



**In choosing MAXMATIC By Metaconcept,
you can feel free to creativity and comfort
in your activity development**

MOULD MANUFACTURING

VULCANIZING SILICON AT LOW TEMPERATURE

MAXMATIC vulcanizing silicone is designed for vulcanization at low temperature (160° C) and reaches a hardness of 35 shores. It has good elasticity and resistance characteristics, as well as very few joint planes after cutting.

Combined with the various aluminium moulds included in the range of accessories, MAXMATIC silicone will allow you to manufacture a quality mould, durable and resistant to many injections without talc.



TECHNICAL TRAININGS

To be in accordance with the evolution of complex manufacturing, we propose technical trainings for mould manufacturing and for all types of silicon cuttings.



LIQUID SILICON RTV 45 SHORES

This silicon can be vulcanised at ambient temperature by means of a poly-addition reaction. It is recommended for the mass production of pieces in polyester resin or gypsum and it enables high precision moulds creations.

The system foresees cold injection - without pressure - of this material made up of two components (A+B) of 1 liter each.



VULCANIZER

Compact, precise and reliable, the VP250 vulcanizer will meet all the requirements in mould making.

VULCANIZING FRAMES

Single and double frames made of aluminium or Plexiglas (with several dimensions available) are used for mould manufacturing, with vulcanized or liquid silicone. A rod and conical tip are provided, enabling the integration of the casting rod as well as the imprint of the injector nozzle. To complete this material, shims with different dimensions are available.



INJECTION

WAX INJECTORS

MAXMATIC proposes different models of automatic wax injectors:

■ STANDARD OR LATERAL CLAMPING MODEL 4000

Simple format, joystick controller and screen. 100 memory possibilities to store optimal parameters.

■ STANDARD OR LATERAL CLAMPING MODEL 4000T

modernized version of Injector including a 10" touchpad, which allows advanced features as library of standard models, remote control for diagnostic and maintenance, statistics per machine, per mould or per operator through a local cloud.

Machines are delivered with a complete kit including:

- RFID microchips technology
- Moulds supports
- Foot pedal

Several clamps are available to manufacture small or big pieces. Lateral clamping option helps positioning precisely the mould face to the injector nozzle.

Injectors can work with or without vacuum technology. However, the injection with vacuum enables better final quality of piece, avoiding bubbling effects and flashes, and eliminate every kind of wax air pollution or humidity.



VACUUM PUMP

Optional vacuum pump helps to control vacuum time (to the tenth) and regulation (to the thousandth bar). This allows micro-leaks to be detected, which could cause faults on the parts.



WAXES FOR INJECTION

Several recipes adapted to high quality requirements are available, to realize either small and big pieces, but also thick pieces or filigrees. Available in 3 kg buckets or 25 kg bags.

INJECTION ACCESSORIES

For a good injection's support, synthetic talc, moulds supports and RFID technology will bring productivity, rapidity and ergonomics at this stage of the process.



TREEING AND CASTING

TREEING ACCESSORIES

The tulip metal sprue is an essential tool for the treeing step. It has been especially created to optimize the saving of consumables thanks to its infinite use. This tool presents a lot of advantages: rapidity, precision, position flexibility, respect for the environment, efficiency on heating cycle on dewaxing step.

The range is completed by treeing supports, cutting wax clip and sprues.



FLASKS

To meet all applications, we propose different types: perforated or non-perforated flasks, with or without flange.



CASTING

For your specific production needs, we have selected dedicated alloys for lost-wax casting: bronze and brass exist in different qualities and shadings. We also offer high quality ceramic and graphite crucibles for every type of casting machines.



TREEING AND CASTING

DEWAXING FURNACE

Thanks to our experience in regulation and thermal control, we have developed a programmable dewaxing furnace range: efficient and easy for all kind of needs.

Our new range of dewaxing furnaces is innovative on lost-wax casting market!

It is clear that the dewaxing and baking cycle of cylinders are essential for your lost wax casting pieces production. That is why MAXMATIC has implemented its knowledge and experience to offer you a new range of dewaxing furnaces.

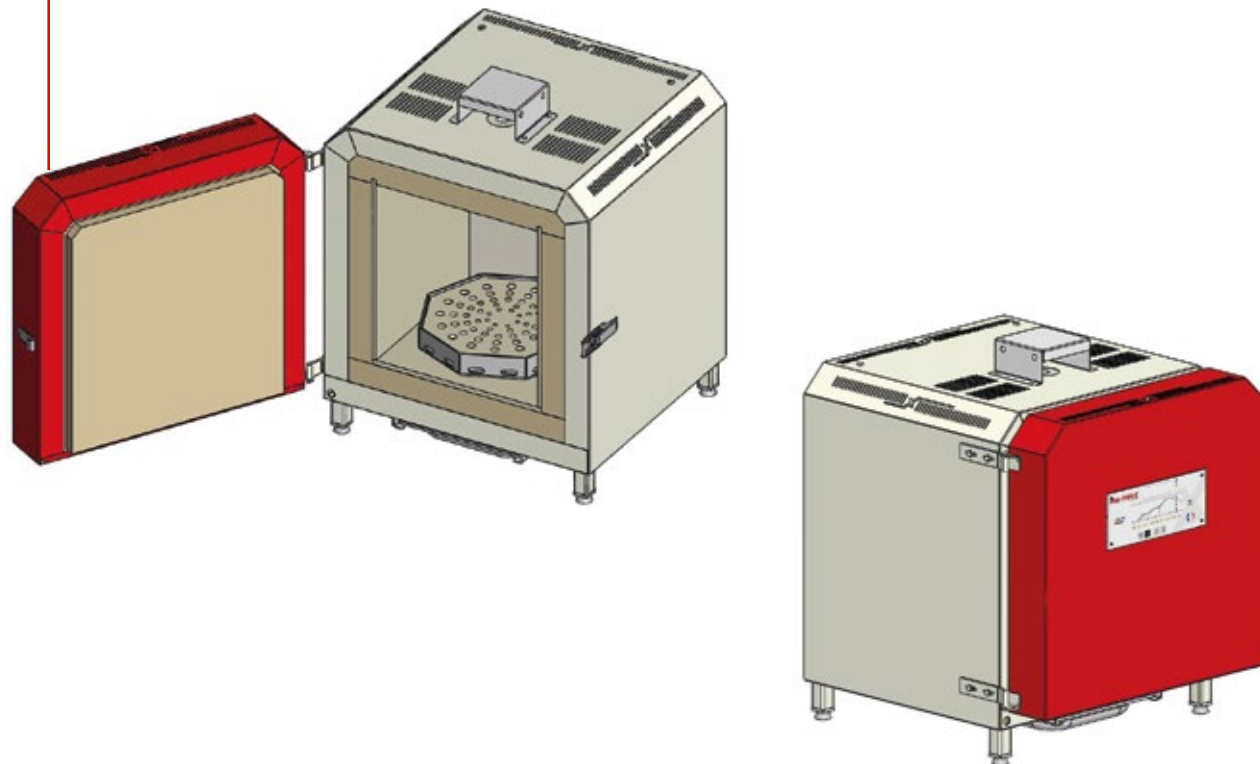
We worked on more compact and efficient insulating to gain firstly useful space inside the furnace, and on the other hand, optimize thermal performances.

Our new furnaces facilitate faster cooling and enable to start another baking cycle within the day.

We developed a turntable system, which simplifies cylinder's loading and discharging. It has also the advantage to facilitate casting management in good order.

Our new ergonomic controller fixed on the machine door is easy to use, thanks to a 4-touch pad, enabling the programming of different temperature levels and times:

- delayed starting,
- parameters visualisation,
- 99 programs with 9 memorized segments,
- rising and bearing temperature inside the furnace at every time,
- maximum temperature to reach,
- bright and digital display,
- automatic restart in case of power outage.





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