

# INDUTHERM



The MC Series are designed...

- For the very uncomplicated casting of single models or small trees in high quality
- For casting of every metal, even steel or platinum
- For jewelry casting in gold or silver
- For small series casting in aluminum, copper and other metals



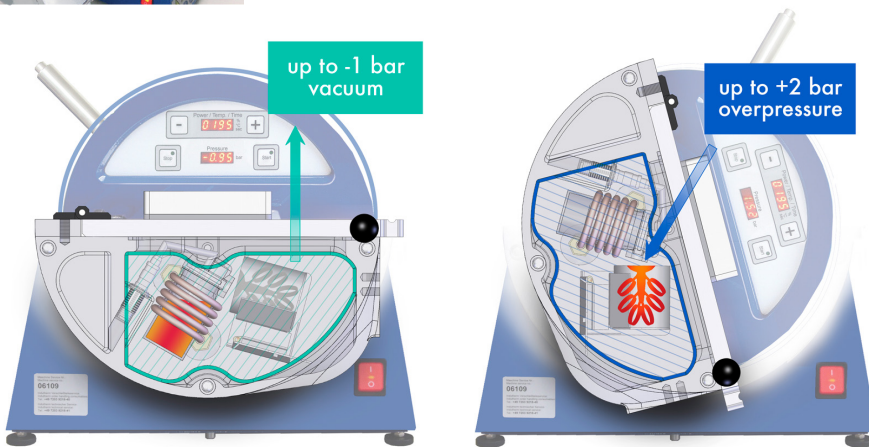
The compact MC series was developed to provide jewelry designers, goldsmiths, development departments and dental laboratories with a low price yet highly professional casting machine. Our most important aims were: extremely short processing time and mold manufacturing to completed casting; simple, safe operation; high quality and, above all, reproducible casting results; and low operating costs. The overwhelming global success of the MC Series in numerous industries - including some not originally envisaged - emphatically confirms the MC Concept.



Handling the mini casting system is also extremely simple:

1. Fill the crucible with your metal.
2. Take the flask from the oven and insert into the machine. Touch the start button.
3. Pouring off takes place using a 90° Rotation of the casting unit. After pouring, the MC series automatically switches to overpressure in order to maximize the density of your castings.

With the MC machines, you can easily cast by hand from the crucible to your mold and feel what you are doing - just as it has been done for thousands of years. This works consistently and safely; the entire melting / casting unit is tilted together through a 90° angle. For a perfect balance and to make do with as few moving parts as possible, almost the whole machine moves during tilting; being cylindrical design, the whole moving section rotates as if in a halfpipe.



**After pouring, the MC Series automatically switches to overpressure in order to optimise the mold filling even for delicate parts. Alternatively it is also possible to keep the vacuum.**

Indutherm's multi-award winning and patent-pending vibration system is now available in a compact casting machine. Using vibration can ensure better form filling, creating casts with greater, more consistent densities, higher elasticity and greatly reduced porosity. Vibration technology is a compelling alternative to the frequently used and relatively delicate centrifugal systems, especially when casting platinum or palladium.



**MC16**

**NEW!**

Now with  
LCD Display

**MC16, the fast all-rounder for  
any metal with LCD Display**

- With graphite crucible for gold and silver; ceramic crucible for platinum, palladium and steel.
- Maximum temperature 2,000°C.
- Thermocouple temperature control standard 1300°C or optional 1600°C for gold or silver
- For same day casting its best to use Romanoff Fast Cast



**MC60V**

**NEW!**

Now with  
LCD Display  
& Vibration  
Technology

**MC60V, the larger capacity  
version for gold and silver  
casting with LCD Display**

- Largely the same technology as with the MC16 but larger capacity for gold and silver casting
- For flasks up to 100 mm diameter x 120 mm length.
- Now with Vibration Technology



## Full Text LCD Display for fine adjustment and serial programming

The new operating system features individual setting of parameters to achieve maximum performance from every pattern mold and every alloy. Thanks to the transparent layout of the menu structure and the full display, all settings are quick and easy to program. Of course all process parameters can be saved for repeated castings. Casting quality, maximum temperature, operation and equipment levels are in fact identical. Even the space requirements differ slightly. Both machines are designed as bench-top models. The decisive differences are the capacity of the crucible volume and flask size.

The MC 100V also offers very short process times:

- Very simple and safe to operate, short training periods
- All process parameters can be saved for repeated castings
- Excellent mold filling at pressures up to 3 bar (vacuum casting also available) and vibration system.

### For Gold and Silver

	MC16 78-2850	MC20V 78-2100	MC60V 78-2200V	MC100V 78-4500
Maximum Power / Electrical	3.5 KW 230V single phase	3.5 KW 230V single phase	3.5 KW 230V single phase	8 KW 3x400V
Maximum Temperature	2000° C	2000° C	1300° C	2000° C
Casting Volume	100 g Au 18ct 110 g steel / 200 g Pt	100 g Au 18ct 110 g steel / 200 g Pt	450 g Au 18 ct 300 g Ag 925	450 g Au 18 ct 250 g steel 500 g Pt
For flasks up to	ø 30/50/65/80 mm x 80 mm h	ø 30/50/65/80 mm x 80 mm h	Up to ø 80/100 mm x 120mm h	Up to ø 80/100 mm x 120 mm h
Control Panel	LCD, full text readout	LCD, full text readout	LCD, full text readout	LCD, full text readout
Auto. Vacuum / Overpressure	Standard	Standard	Standard	Standard
Vacuum or overpressure after	-1 to +2 bar	-1 to +3 bar	-1 to +2 bar	-1 to +3 bar
Function washing by inert gas	Standard	Standard	Standard	Standard