

Indutherm Mini Casting - MC Series

Table-Top Casting Machines

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.



MC 16 The fast all-rounder for any metal



MC 60, the larger capacity version for gold and silver casting

- Shortest combustion times for the flask in the oven - approx. 1 hr with a speed investment material.
- With graphite crucible for gold and silver; ceramic crucible for platinum, palladium and steel.
- Maximum temperature 2,000°C.
- Largely the same technology as with the MC 15+ but temperature range up to 1,300°C.
- Hence larger capacity for gold and silver casting
- For flasks up to 80 mm x 120 mm diameter and up to 100 mm x 120 mm length.



MC 20V and the MC 100V are designed based on the same tilting principle as the MC machines are described for intricate casting projects in continuous operation in larger studios.

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

	MC-16 78-2050	MC-20V 78-2100	MC-60 78-2200	MC-100V 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	Digital Display	by LCD, full text readout	Digital Display	by 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