

The new 2,000°C MC 100 V tabletop casting cutting-edge technology in the most compact

The MC 100 V is ideal...

- for difficult casts in the jewellery and technical sectors
- for all metals, even steel, palladium and platinum
- for anything that needs cutting-edge technology, but not the capacity of the VTC



The high demand for our MC 15+ and VTC 200 V high-temperature tilting casting machines motivated us to develop the MC 100 V: a number of users wanted the compactness of the MC 15+, but needed greater capacity – not so much, however, as the VTC 200 V offers. We have filled this gap with the new MC 100 V, by developing a small, hi-tech machine that combines the best of both models: it builds on the space-saving design and ingenious pivoting mechanism of the small MC 15+, while offering a wide range of the highlights from the much larger VTC machine.

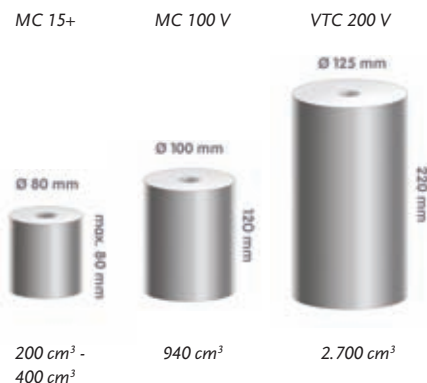
Latest generation generators

The MC 100 V is equipped with a latest generation induction generator, developed especially for this housing design and with high operating efficiency. Convenient, high precision control is provided via a new operating system, with an LCD display, full text display and program control.

Award-winning vibration technology – unique in its class

For the first time, our multi-award winning and patent-pending vibration system is now available in a compact casting machine. Using vibration when casting ensures 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. You can find more information on page 18.

Comparison of cuvette sizes:



**machine:
space.**



Key points:

- Very easy and safe to use, short implementation time
- Excellent price/performance ratio
- 4.8 kW induction generator for quickly reaching the smelting temperature
- Thorough through-mixing of molten metals using low-frequency induction tuning
- Melting under vacuum or inert gas to prevent oxidation
- Top quality form filling using overpressure of up to 2 bars (casting under vacuum also possible)
- Economical consumables

MC 100 V

performance

| | |
|------------------------------------|---|
| power max. / electrical connection | 4.8 kW 3 x 400V |
| temperature max. | 2000° C |
| temperature measurement | thermocouple up to 1,300° C optical pyrometer up to 2,000° C |

capacity

| | |
|----------------|--|
| casting volume | 450 g Au 18 ct 250 g steel 500 g Pt |
| for flask size | ø 100 mm x 120 mm h |

handling+control

| | |
|--|-----------------------------------|
| control pannel | by LCD-Display, full text readout |
| automatic vacuum function | ■ |
| automatic overpressure function | ■ |
| function washing by inert gas | ■ |
| casting only under vacuum | ■ |
| vibration device | ■ |
| supply: | |
| cooling water, inert gas argon or nitrogen | ■ |
| temperature control | up to 2,000° C |
| RS 232 interface | ■ |

accessories

| | |
|-----------------------------------|------------------------------|
| vacuum investment mixer Indumix 2 | ○ |
| furnace, 1,100°C | ○ |
| sand blasting cabinet | ○ |
| vacuum pump | ○ (min. 8 m ³ /h) |

■ = standard equipment ○ = optional