

INDUTHERM

MC-100V Casting Machine with Vibration Technology

2,000°C MC 100 V tabletop casting machine:
 cutting-edge technology in the most compact space.

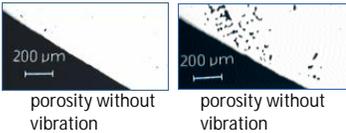
- Very easy and safe to use, short implementation time
- Excellent price-performance ratio
- 8kW induction generator for quickly reaching the melting temperature
- Thorough through-mixing of molten metals using low-frequency induction tuning
- Melting under vacuum or inert gas to prevent oxidation
- Top quality form filling using overpressure of up to 3 bars (casting under vacuum also possible)
- Economical consumables

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.

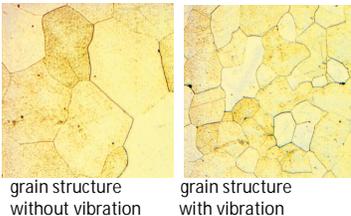
Latest generation generators

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.

Vibration Technology for ...reduced porosity



...and finer grain



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.

Less problems from later processing:
 Elongation limit 12% higher,
 tensile strength 25% better



SKU #: 1D-78-4500

MC 100 V

performance	
power max. / electrical connection	8 kW 3 x 400V
temperature max.	2000° C
temperature measurement	<input checked="" type="checkbox"/> thermocouple up to 1,300° C <input checked="" type="checkbox"/> optical pyrometer up to 2,000° C
capacity	
casting volume	450 g Au 18 ct 250 g steel 500 g Pt
for use of flasks	up to ø 80/100 mm x 120 mm h
handling+control	
control pannel	by LCD-Display, full text readout
automatic vacuum function	<input checked="" type="checkbox"/>
automatic overpressure function	<input checked="" type="checkbox"/>
vacuum or overpressure after casting	<input checked="" type="checkbox"/> -1 up to +3 bar
function washing by inert gas	<input checked="" type="checkbox"/>
vibration system	<input checked="" type="checkbox"/>
supply: cooling water,	
inert gas argon or nitrogen	<input checked="" type="checkbox"/>
temperature control	up to 2.000° C
RS 232 interface	<input checked="" type="checkbox"/>
accessories	
vacuum investment mixer Indumix 2	-
furnace, 1,100°C	<input checked="" type="checkbox"/>
sand blasting cabinet	<input checked="" type="checkbox"/>
vacuum pump	<input checked="" type="checkbox"/> (min. 21 m³/h)
floor unit	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> = standard equipment <input checked="" type="checkbox"/> = optional	

