

## MC100V-Vacuum-Over Pressure Casting Machine



Advanced induction heated casting machine for dental- and jewellery alloys. All standard like gold, silver, steel, palladium and platinum alloys are possible to cast. MC100 offers excellent results for the medium production capacity because of vacuum/pressure casting mode.

### **Major application**

- Platinum castings in bigger quantities, for gold, silver, steel as well
- Excellent solution for smaller production units
- Casting of rolling blanks for platinum processing in copper mould.

### Benefits for customers

- Very simple use, short training period, very good result even by operators with less of experience in casting technique
- Very easy handling
- Control board with TFT-display
- 20 programs, all relevant sets of parameters can be stored
- Compact bench top model
- 3phase current model 400v/16 amps.
- Vacuum/pressure casting machine with induction heating to an excellent price-performance relation
- 8,0 kW generator enables quick melting periods
- Strong mixing of metal by induction generator's low frequency
- Melting under vacuum for degassing of metal and better form filling
- Excellent form filling because of inert gas pressure of 3 bars max.
- Excellent form filling because of **vibration technology**
- Temperature control by thermocouple up to 1,300°C, temperatures up to 2,000°C by a optical pyrometer.
- Very easy replacement of crucible
- Low running costs because of inexpensive crucibles (quartz crucible container allows use of crucibles till it really is exhausted without danger for system and induction coil).
- Holder for filter foil as eye's protection at steel/platinum casting
- No gaskets for flasks
- Option for service people: interface for connecting GMS-modem.

### Data

- Electrical connection: 3x400V 16A, 50 or 60 Hz
- Generator 8,0 kw
- Dimensions: 600 x 600 x 600 (wxdxh) mm approx.
- Weight without packaging: 60 kg

### Crucibles, flask size

- Gold/silver crucible with graphite inlet max. 450 g gold 18 k
- Platinum crucible max. 500 g platinum
- Steel crucible max. 250 g steel
- Flask's size Ø 100 x 120 mm