

MC16 Mini Vacuum Pressure Casting Machine



Advanced induction heated casting machine for all standard alloys like gold, silver steel, palladium and platinum alloys are possible to cast. MC 16 offers excellent results for the smaller production capacity because of vacuum/pressure casting mode.

Application

- Platinum castings in lower quantities, for gold, silver, steel as well.
- Casting of master models, single items as a satellite system, makes autonomous from big casting department.
- Quick shots by use of standard investment material in less than 4 hours, on "speed" investment material in less than 2 hours from wax piece to casting.
- Excellent solution for studios and goldsmith' workshop with limited space.
- Casting of rolling blanks for platinum processing in copper mould under vacuum.

Romanoff International Supply Corporation
9 Deforest Street
Amityville New York 11701 USA
Phone: 1-631-842-2400 , Fax: 631-842-0028

Benefits:

- Very simple use, short training period, very good result even by operators with less of experience in casting technique.
- Very easy handling.
- **New: Run of process with controller.**
- **New: LC-display with all program data's.**
- Compact bench top model.
- Single phase current model 230v/16 amps.
- Vacuum/pressure casting machine with induction heating to an excellent price-performance relation.
- 3, 5 kW generator enables quick melting periods.
- Very fast melting time because of electronic PWM (pulse width modulation).
- Strong mixing of metal by induction generator's low frequency.
- Melting under vacuum for degassing of metal and better form filling.
- Casting under vacuum is possible, very good for pouring into wire or band ingots.
- Starting the over pressure is set by tilting angle.
- Excellent form filling because of inert gas pressure of 2 bars max. and high-speed solenoid valves.
- Very easy replacement of crucible.
- Low running costs because of inexpensive crucibles.
- Quartz crucible container allows use of crucibles until it is really worn out (without danger for system and induction coil).
- Holder for filter foil as eye's protection at steel/platinum casting.
- No gaskets for flasks.
- Insert temperature controller up to 1300 °C or 1400 °C in ceramic crucibles with graphite inlet.
- Water flow sensor is good for safe operating.
- Option for service people: interface for connecting GMS-modem.

Data

- Electrical connection: 230V 16A, 50 or 60 Hz
- Dimensions: 400 x 450 x 400 (wxdxh) mm
- Weight without packaging: 27 kg

Crucibles, flask size

- Gold/silver crucible with graphite inlet max. 100 g gold 18 k
- Platinum crucible max. 200 g platinum
- Steel crucible max. 110 g steel
- Flask's size Ø 30, 50, 65, 80 x 55-80 mm

	Article no.
MC 16 with basic set with temperature controller	70779610
Thermocouple type N , up to 1300°C	13400010
Thermocouple type S , up to 1600°C	13000030
Thermocouple Protection Tube , ceramic, for type N + S	13200045
Vacuum pump , with air filter, 8m ³ /h, 230V 50 or 60Hz	71000108