

INDUTHERM Vacuum-Pressure-Casting-Machine VC500D



This modern casting machine for casting jewellery and precision parts offers excellent casting results for almost every production capacity. Low frequency generator gives excellent mixing of liquid metal.

The VC 500 D is designed to be robust and easy to use. All relevant parts are water cooled by high grade steel pipes. The VC500 D is engineered for continuous operation. Modular system guarantees easy maintenance and service.

Major applications

- All casting applications in factories
- For all jewellery alloys, even palladium white gold
- Alloy preparation with gold + master alloy
- Cleaning of already used metal by granulation tank

Important features

- Manual casting mode
- Low frequency induction heated = excellent mixing of liquid metal
- Generator 10 kW
- Electrical connection 400 V/50 c, 3 phases, 32 amps
- Temperature up to 1600°C
- 16 Temperature programs

- Crucible's capacity $265 \text{ cm}^3 = 4 \text{ kg AU 18 ct}$ ($\varnothing 78 \text{ mm}$ crucible)
- optional bigger crucible set $400 \text{ cm}^3 = 6 \text{ kg AU 18 ct}$ ($\varnothing 88 \text{ mm}$ crucible) instead of standard crucible ($\varnothing 78 \text{ mm}$ crucible)
- Melting under vacuum, normal atmosphere or overpressure depend on metal
- All handling steps pneumatic assisted
- Turbo-Pressure
- Digital display indicates full supply (air, gas, water) and complete status of machine at present.
- For vacuum flasks with flange or without flange
- Flasks up to $\varnothing 130 \times 260 \text{ mm}$, standard diameters 125, 100, 90, 80,70 mm
- Oxidation reduced casting facility
- Production machine , continuous rating
- Optional: granulation tank
- Optional: diffusion bonding (sintering) kit

Customer's benefit

- Very easy handling, top results
- Only short training period
- Change of crucible/stopper rod in a very short time
- Best value-performance ratio
- Measurement of flask temperature
- Complete Data record is available by printer and RS 232-interface
- Compact design $500 \times 820 \times 1450 \text{ (wxdxh) mm}$, weight 130 kg