

## **INDUTHERM-Vacuum-Overpressure-Continuous-Casting-Machine VCC400**



This modern vertical continuous casting machine for precious/non-precious metal offers excellent casting results for almost every production capacity. Advanced Vacuum-Overpressure Appliance enables also excellent results on difficult-to-cast metals as manganese content alloys, zinc content alloys etc. The VCC 400 is designed to be robust and easy to use. All relevant parts are water cooled by insert steel pipes. This machines are designed for continuous operation.

### Major application

- All continuous casting applications in factories, even smaller quantities
- For all jewellery alloys, even Palladium White Gold, manganese content alloys, zinc content alloys.
- Production of semi-finished product likes wire, band and tubes, special profiles as well in absolute homogeneously structure .

### Important features

- Manual casting mode
- Low frequency induction heated = excellent mixing of liquid metal
- Generator 15 kW
- Crucible's capacity 265 cm<sup>3</sup> = 4 kg AU 18 ct (Ø 78 mm crucible)
- optional bigger crubible set 400 cm<sup>3</sup> = 6 kg AU 18 ct (Ø 88 mm crucible) instead of standard crucible (Ø 78 mm crucible)
- Temperature up to 1200°C by thermocouple Type K (NiCr-Ni) or 1600°C by thermocouple type S (PtRh-Pt)
- 16 Temperature programs
- Melting under protective gas atmosphere
- Round die: for wire up to Ø 20mm; sheet up to 20x8 mm; tube up to Ø 35 mm
- Rectangular die: for sheet up to 50 x 8mm, optional 60x8 mm( 400 cm<sup>3</sup> crucible)
- Microprocessor controlled drawing unit with reverse function
- All handling steps pneumatic assisted
- Digital display indicates full supply (air, gas, water ) and complete status of machine at present.
- Production machine , continuous operation
- Optional: diffusion bonding (sintering) kit
- Data printer for process controlling and service

### Customer's benefit

- Very easy handling top results
- For all jewellery alloys, even Palladium White Gold, manganese content alloys, zinc content alloys.
- Only a short training period
- Change of crucible, dies, die cooler and stopper rod in a very short time
- Best value-performance ratio
- Complete Data record is available by printer and RS 232-interface

<b>Datas:</b>	
Dimensions:	500 x 820 x 1450 (wxdxh) mm
Weight:	130 kg
Electrical connection:	400V 25A or 208 V 40A, 50 or 60 Hz