

## **INDUTHERM-Mini-Continuous-Casting-Machine CC400**



This modern vertical continuous casting machine for precious metal-non precious metals offers excellent casting results for almost every production capacity. The CC 400 is designed to be robust and easy to use. All relevant parts of the machine are water cooled by high grade steel pipes. Therefore, this machine is designed for continuous operation.

### **Major application**

- All continuous casting applications in factories, even smaller quantities
- For all jewellery alloys, even Palladium White Gold
- Production of semi-finished products like wire, band and tube, special profiles as well as absolute homogeneous 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 20 x 8 mm; tube up to Ø 35 mm
- Rectangular die: for sheet up to 50 x 8mm, optional 60 x 8 mm
- 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
- 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