

INDUTHERM Continuous-Casting-Machine CC 3000



This modern vertical continuous casting machine for precious metal-non precious metals offers excellent casting results for almost every production capacity. The CC 3000 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
- For all jewellery alloys, even Palladium White Gold
- Production of semi-finished products like wire, band and tubes, special profiles as well as absolute homogeneous structure.
- Production of absolute homogeneous

Important features

- Manual casting mode
- Low frequency induction heated = excellent mixing of liquid metal
- Generator 30 kW
- Graphite crucible with a capacity of 3000cm³ ≈ 30 kg silver / 51kg gold 18ct
- Up to 1200°C by thermocouple Type K (NiCr-Ni) or 1500°C by thermocouple type S (PtRh-Pt)
- 16 Temperature programs
- Melting under protective gas atmosphere
- Wire up to 5 x Ø 15 mm, tube up to Ø 40 mm, sheet 130 x 12 mm
- Microprocessor controlled drawing unit with reverse function
- Automatic die-temperature control
- 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

Data:	
Dimensions:	800 x 1,100 x 2,000 (wxdxh) mm
Weight:	280 kg
Electrical connection:	400V 50A, 50 or 60 Hz