

LABORATORY SCALE FURNACES

CASTING FURNACE

MSE Casting Furnaces are designed to melting of the materials and fill them to moulds. This device can be preferred for aluminum smelting. Argon or nitrogen use as a protective gas throughout the process. Firstly, the material is heated and mixed. Later on, casting rod lift up, the melting material is poured into the crucible. The casting moment can be followed through the observation glass.

- Programmable step controller via digital display
- Observation of set and real temperature
- Delayed start and program save feature
- Temperature control via PID and $\pm 1^{\circ}\text{C}$ temperature display sensitivity
- System protection for over temperature, audio visual warning alarm
- Temperature measurement via thermocouples
- Error display in case a breakdown
- Percentage of electrical energy consumption
- Able to resume the program after the power failure
- Heating on each side
- High-quality fiber and brick insulated heat zone
- Low energy consumption
- Lid on top
- Melting and manual casting system
- Protective gas inlet and manual gas flowmeter
- Atmosphere controlled mould chamber and casting observation window
- Siphon type melting pot
- Low external surface temperature (Ambient + 40°C) thanks to double-layers steel construction
- Epoxy painted galvanized-steel exterior
- Height adjustable, non-slip rubber feet



Temperature: 900°C
Volume: 8 litres

