

# Casting furnace GO



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## Holding and melting furnace

- Future-orientated design ensures a safe investment
- Energy saving through the use of regenerative burner systems
- Fast alloy change through perfect furnace geometry
- “Level Control” casting launder



# Casting furnace GO

## Holding and melting furnace

The casting furnace GO is a hydraulically driven tilting furnace that is used for the preparation and post-treatment of aluminum. Designed primarily as a holding furnace, it can also be interpreted as a melting furnace. Heating is usually carried out via PulsReg® regenerators with hot air burners that are matched to the size of the furnace. Heating with electricity or with cold air burners is also possible. The size of the furnace and bath capacity is variable – depending on requirements.

### Advantages:

- Innovative design ensures a safe investment
- Economic operation
  - Heat recovery with high combustion air pre-warming using regenerative burner systems
- Environmentally friendly through clean combustion through the low oxygen atmosphere in the furnace
- Flexible, through adaptable furnace geometry
  - “Level Control”: Precise level control a constant level of liquid metal in the launder is ensured throughout the entire casting process. The casting spouts can also be arranged on the cleaning door side

### Exhaust gas temperature

If regenerative burners are used the exhaust gas temperature is below 220 °C.

### Less dross formation

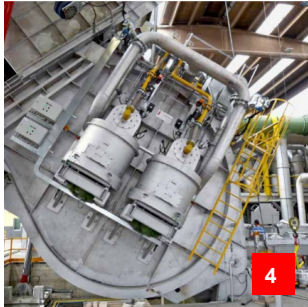
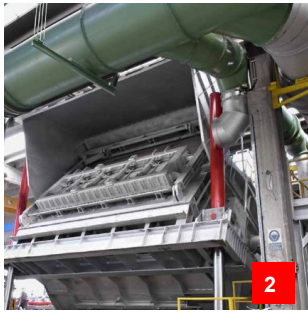
The casting furnace has a relatively low bath surface which reduces the formation of dross. The large bath access door facilitates drossing and skimming work.

### Best-quality metal

Each casting furnace can be equipped or retrofitted with the AluTreat© system bringing significant improvements in the metal quality. This system sees the floor of the bath lined with porous plugs that enable continuous treatment of the metal. The arrangement with AluTreat© is according to your needs and requirements.

### Programmable control

The system is controlled by a Siemens PLC, in which the entire system and all necessary data are visualized.



1. Casting furnace GO45 with PulsReg® RB3000
2. Casting furnace GO50 with PulsReg® 3600, tilted
3. Casting furnace GO28 with cold air burners DBG
4. Casting furnace GO50 with PulsReg® 3600, tilted

### An overview of our industrial furnace products:

- MultiMelter®
- EcoMelter® HSO / MSO / WSO
- Casting furnace GO
- Rotary drum furnace DKO
- Charging
- AluTreat©

