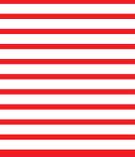


# INDUGA



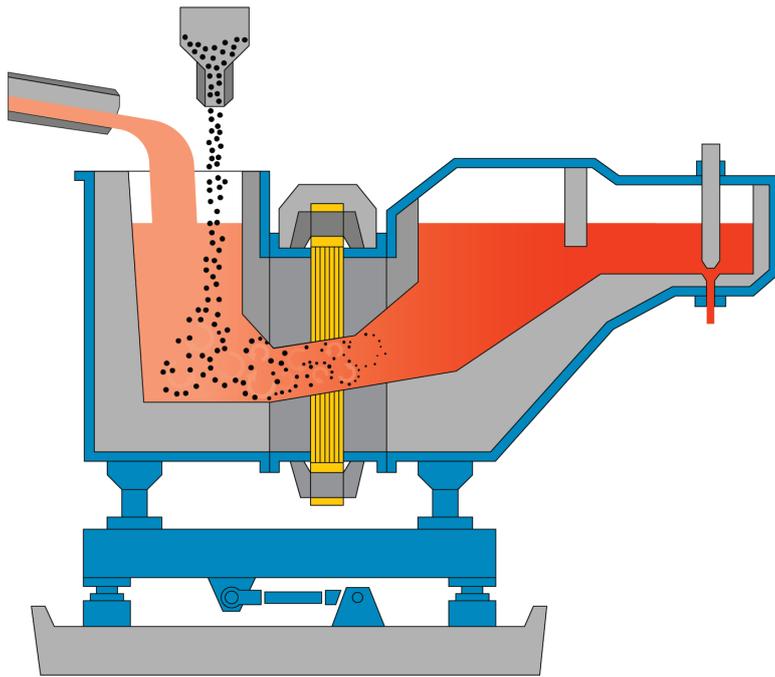
## Micro-alloying tundish furnace for continuous casting processes



This induction heated alloying and metering furnace is a useful alternative solution to a conventional unheated tundish system. A very precise alloy adjustment, for example during the production of low-phosphorous DHP copper, combined with a good mixing and complete homogenisation of the melt are fundamental for casting high-quality copper grades

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## Alloying and metering furnace



### Technical data

Design	Internal channel type inductor
Process type	Integrated in continuous line
Heating capacity	100 - 600 kW
Number of chambers	2 or more
Metals	Non-ferrous (Cu, Al, Zn alloys)
Applications	Holding, superheating, micro-alloying, metering, homogenization and slag retention

The multi-chamber casting furnace is of modular design and accommodates an inductor which separates an inlet chamber from the casting chamber. The two chambers are linked by several channels in which the metal is mixed while it is being heated.

The multi-chamber casting furnace is characterized by high efficiency, a low holding energy requirement, intensive mixing properties and excellent homogenization of the melt.

This type of furnace has already proven extremely effective for precision metering, for micro-alloying or as a deoxidation furnace for copper production.

Another typical application of this furnace is the retention of slag carried over from a melting or holding furnace. An effective deslagging of the melt in the inlet chamber of the furnace allows a practically slag-free casting process.

### INDUGA designs and supplies

- Channel-type induction furnaces for melting, holding and casting
- Coreless induction furnaces for special applications
- Coating pots for steel strip and pieces
- Low-pressure casting machines
- Plasma systems
- Complete plants

**Individual solutions are our speciality!**

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