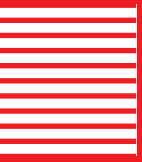


INDUGA

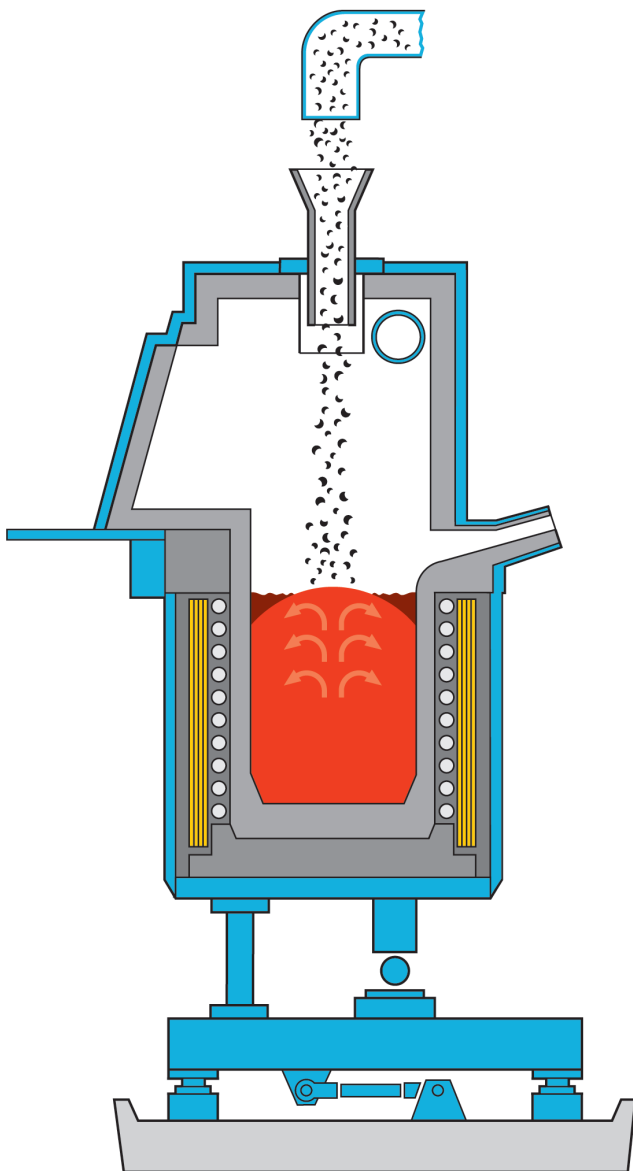
Melting process for wet chips in a coreless induction furnace



Melting non-ferrous metal chips places high demands on the appropriate process and furnace concept, because chips tend to be wet and are difficult to stir into a metal bath due to their low density. These difficulties conventionally lead to high metal losses. The Induga melting process for wet chips can successfully handle and minimize these difficulties.

www.induga.com

Coreless furnace for melting wet chips



The INDUGA furnace process for melting chips is typified by a refractory furnace hood with a central feed tube for continuously adding the chips directly to the melt. Its dimensions ensure adequate post-combustion of any hydrocarbon containing emulsions without giving rise to any excessive metal losses. Moreover, the geometric and electrical specification of the furnace makes sure that the chips do not rise to the melt surface but are efficiently mixed into the bath within the slag-free centre.

As standard, the furnace is equipped with a weighing device that controls both metering and power input fully automatically.

Continuous chip melting is a complex process requiring a net frequency coreless induction furnace technology with integrated chip charging equipment and an appropriate offgas treatment system.

Technische Daten

Furnace type	Mains frequency crucible furnace
Metal discharge	by hydraulic furnace-tilting
Furnace power	500 - 4,200 kW
Holding capacity	3 - 20 tons
Melting rate	2 - 10 t/h

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!

INDUGA GmbH & Co. KG

Jägerhausstr. 2
 DE-52152 Simmerath, Germany
 Telephone +49 2473 6017 10
 Telefax +49 2473 6017 77
 E-Mail info@induga.de
 www.induga.com

A company of  **OTTO JUNKER** GmbH.