INDUGA

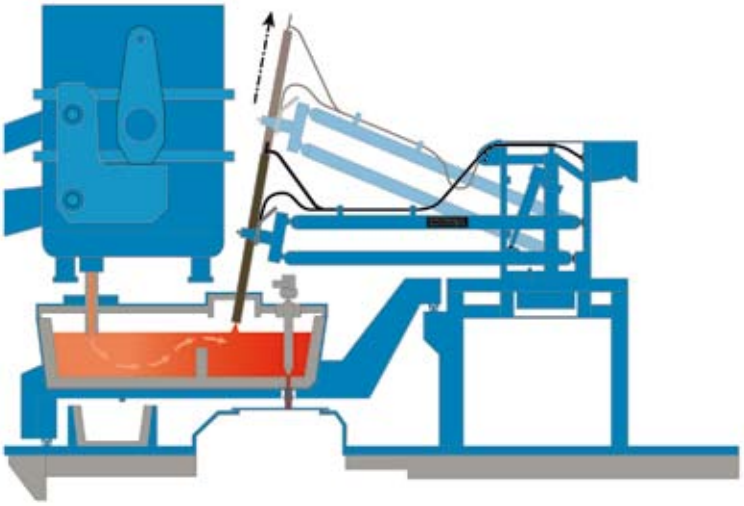
Plasma tundish heating

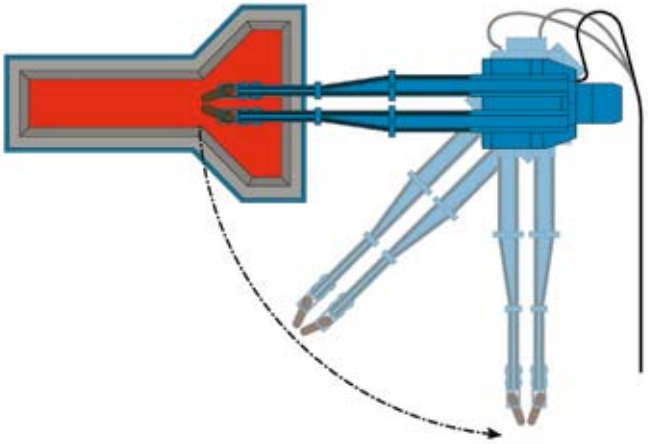
of steel melts during casting

For the heating of liquid steel during continuous casting, INDUGA offers systems which heat the melt using electric plasma arcs. Depending on the application, the system can be operated with AC or DC power and special graphite electrodes. Excellent temperature control and a clean, carburisation-free heating are assured in all cases.

www.induga.com

Plasma heating of steel





The plasma tundish heating generally comprises the following components:

- electrodes made of graphite
- suspension arm system for positioning and moving
- power supply and control system
- temperature measurement system
- plasma gas station
- water cooling plant
- bottom counter electrode (DC mode with only one torch)

The plasma arcs are stabilised with argon and operated in the way that carburisation and nitrogen absorption are reliable prevented.

Technical data

Design	independent heating system
Type of current	DC or AC
Number of torches	1 - 2
Heating capacity	400 - 4,000 kW
Control precision	± 3 K

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.

Atelier Beifel 06.2011/200 Expl.