The channel type induction melting furnace with its high electrothermal efficiency, variable furnace geometry and cost effectiveness, is the preferred furnace choice for the melting of scrap or bulky materials in the non-ferrous foundry industry.
Channel type induction melting furnace

The melting furnace consists of a ceramic lined furnace vessel to hold the melt. One or two channel type inductors are flanged to this furnace for heating. The furnace is hydraulically tiltable for emptying, but is normally not completely emptied; it must be generally operated with a rest of heel.

Outstanding features of the furnace are:
- high electrothermal efficiency
- cost effective melting
- flexible furnace geometry
- clean melting under controllable atmosphere
- low oxidising losses

Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>furnace with one or two channel inductors</td>
</tr>
<tr>
<td>Furnace type</td>
<td>hydraulic tilting</td>
</tr>
<tr>
<td>Metal discharge</td>
<td>discontinuous</td>
</tr>
<tr>
<td>Furnace capacity</td>
<td>1 - 30 t</td>
</tr>
<tr>
<td>Taping weight</td>
<td>0,6 - 25 t</td>
</tr>
<tr>
<td>Heating capacity</td>
<td>250 - 3,000 kW</td>
</tr>
<tr>
<td>Leistungselektrik</td>
<td>mains frequency with regulating transformer or converter unit</td>
</tr>
<tr>
<td>Application</td>
<td>melting of non-ferrous metals and alloys</td>
</tr>
</tbody>
</table>

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.