TILTING ROTARY FURNACE

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SCOPE: Smelting of lead-bearing materials (paste, metallic) with fluxes

TYPE: Tilting 45° with double pouring system: 1) metal from dedicated channel with furnace in horizontal position and 2) slag from feeding port via furnace tilting

Details include:
- Refractory Material of Chrome-Magnesium basis
- Oxy-fuel burner or air-fuel burner. Reverse type combustion flow
- Feeding door opening through local control panel and through remote control
- Door operation system with hydraulic unit
- Process fumes tower with refractory lining (Si-Al)
- Rotation system 0 - 1 rpm with variable speed driver (by VFD)
- Hydraulic tilting system for the furnace, with lifting cylinders and hydraulic power package
- Complete canopy hood system covering the entire furnace assembly

<table>
<thead>
<tr>
<th>Furnace capacity (dm³ molten Pb)</th>
<th>Feeding rate (ton of paste /cycle)</th>
<th>Burner Power (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000</td>
<td>13 - 15</td>
<td>1800</td>
</tr>
<tr>
<td>5000</td>
<td>20 - 22</td>
<td>2600</td>
</tr>
<tr>
<td>8000</td>
<td>25 - 30</td>
<td>3400</td>
</tr>
</tbody>
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