

# Vacuum Melting Plant

## VSG 010

### Principle

Plant for the melting of special alloys.

<b>Manufacturer</b>	PVA Anlagenbau
<b>Crucible</b>	Ceramics up to 2000 cm <sup>3</sup> , Graphite
<b>Furnace</b>	Vertical Rezipient
<b>Heating</b>	Induction heating 10 kHz
<b>Feed Material</b>	Various alloys based on Mg-, Al-, Fe-, Co-, Ni-, Ag-, Pt-, Au-Basis
<b>Operating Temperature</b>	up to 2000 °C
<b>Feedstock</b>	Various geometries based on rods and plates
<b>Operating Atmosphere</b>	Inert gas
<b>Vacuum System</b>	Rotary vane pump, Roots pump, Diffusion pump
<b>Operating Pressure</b>	Prevacuum, High vacuum up to 10 <sup>-4</sup> mbar
<b>Optional Equipment</b>	Special charging devise, Turntable for several ingot molds