

Planar Flow Casting

Principle

Plant for rapid solidification of special alloys.

Manufacturer	PSI Ltd.
Melting Pot	Ceramics up to 1000 cm ³ , Quartz glass, Boron nitride
Furnace	Horizontal recipient
Heating	Induction heating up to 30 kHz
Feed Material	Various alloys based on Mg-, Al-, Fe-, Co-, Ni-Basis
Temperature Range	up to 1700 °C
Products	Semi-finished band, flakes or powder
Operating Atmosphere	Inert gas
Vacuum System	Rotary vane pump, Turbomolecular pump
Operating Pressure	Prevacuum, High vacuum up to 10 ⁻⁴ mbar
Optional Equipment	Inductor-crucible parts in various sizes