



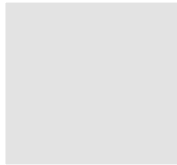
ALD Vacuum Technologies

High Tech is our Business

Vacuum Induction Melting and Casting (VIDP)

Increase Your Production Option

- Melting and heating under vacuum
- Degassing and refining under vacuum
- Pouring under vacuum or under protective gas



16 ton VIDP
2000 shown.
Available
to 35 tons.



Electro Slag Remelting Systems (ESR)

Production of Slabs and Ingots of

- Ni base alloys
- High strength steels
- Ball-bearing materials
- Tool and die steels
- Steels for heavy forgings



165 ton
ESR ingot,
2300 mm
diameter x
5000 mm long.



Vacuum Arc Remelting Systems (VAR)

Production of Ingots of

- Superalloys
- Stainless steel
- High strength steels
- Tool and die steels
- Reactive metals
(Titanium, Tantalum, Zirconium)



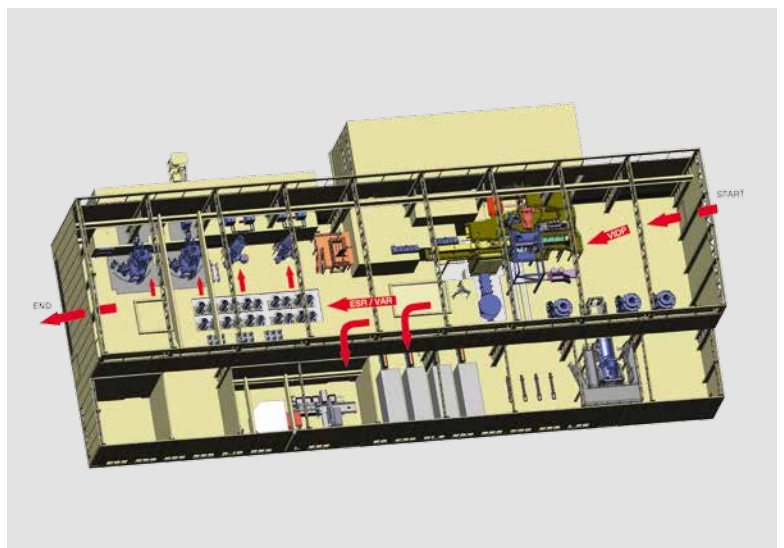
30 ton VAR
furnace
shown.



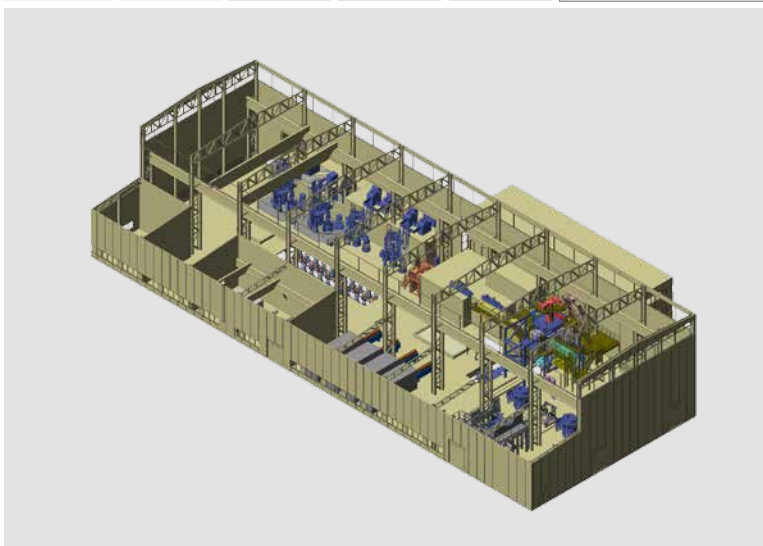
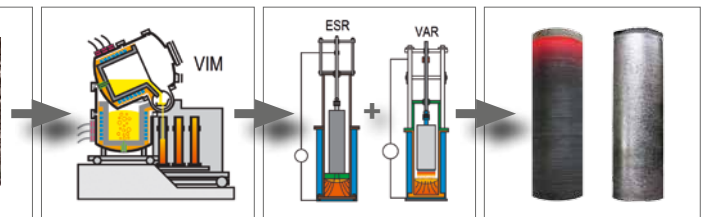
Special Steel and Superalloy Production Plant

Comprehensive Solutions for VIM VAR ESR Melt Shops

- Special steel and superalloy premium melt shops of any size are significant, business-critical investments dependent on so many variables.
- ALD provides comprehensive VIM, VAR and ESR furnace system solutions for greenfield projects, expansions, modernizations, upgrades and optimization studies.



Selected Scrap



ALD Process Consultancies

- ALD also offers process consultancies for supporting melt shop activities, including basic design of ancillary process equipment, shop flow, preparation of materials, mold handling and assembly, charging, alloying, melting techniques, ingot processing, recurring training, and modern quality practices.