

Vacuum purge furnace for high temperature tempering up to 900°C

■ In the production of high value-added components, more and more steel grades require thermal treatment under inert gas convection, with temperatures up to 900°C. This led us to improve our existing range of B5_R furnaces to develop the B5_RHT range.

■ **Suitable for various specific applications**

- Aeronautics
- Military
- Medical
- Nuclear
- Precision casting
- R&D
- Electronics...



■ **Benefits of 900°C treatment under convection**

- Kinetic effects and thermal homogeneity improvement during transitional and stabilized phases
- Cycle time reduction thanks to convection exchanges
- Strong reduction of investment costs and of operating costs compared to a high temperature quenching furnace



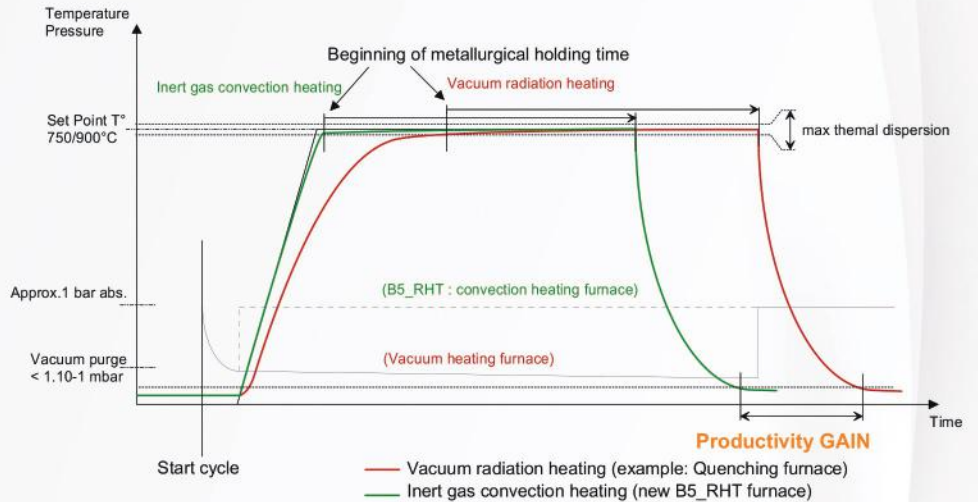
■ **Our partners**



B5_RHT : Increased Performance & Productivity



CFC hot zone for high temperature applications



B5_RHT characteristics

	Width (mm)	Height (mm)	Depth (mm)	Load (kg)
B53RHT	450	450	600	200
B54RHT	600	600	900	600
B55RHT	900	700	1200	1000
B56RHT	1000	1000	1500	1500

Others dimensions and loads upon request.

PROCESSES

- TEMPERING
- ANNEALING
- MAGNETIC ANNEALING
- AGEING...

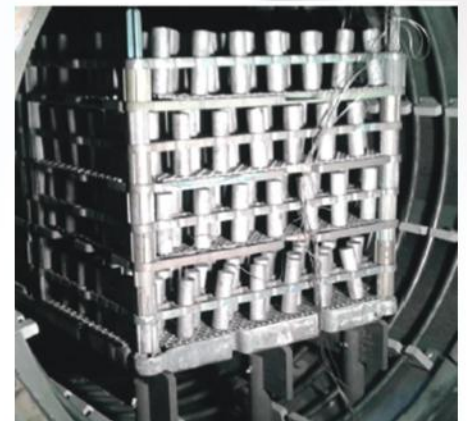
STEELS

- Superalloys
- NIMONIC®
- NCK20D
- Inconel
- Titanium
- ...

Technical Specifications

- Heating chamber and load supports made with materials specifically suited to high temperature applications
- Turbine made of special alloy
- Optimized cooling of the vessel
- Reinforced insulation
- Temperature homogeneity is guaranteed $< \pm 5^{\circ}\text{C}$ from 150°C to 900°C
- Compliant to AMS2750E, AMS2769...
- Compact design

Other technical specifications upon request.



Characterization testing on the new B54RHT furnace.

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