



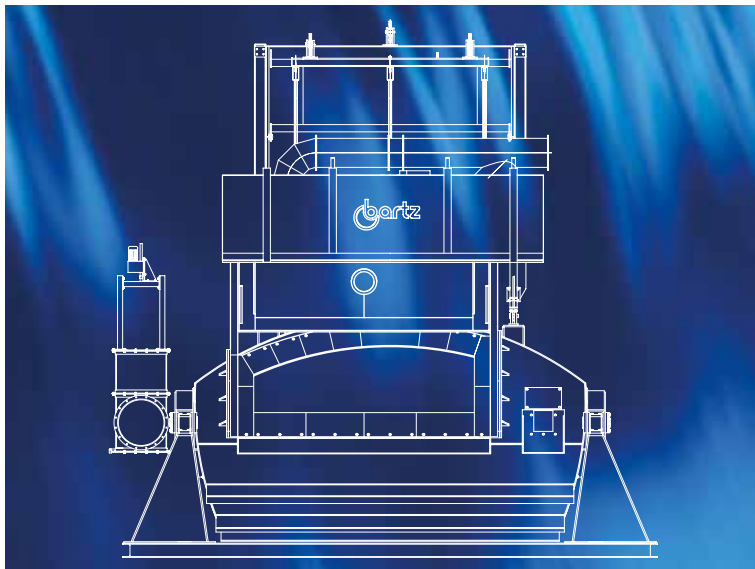
**Treatment Furnaces**  
**Holding Furnaces**  
**Casting Furnaces**



## Forward-looking technology

The treatment, holding and casting furnaces by Bartz Maschinen- und Anlagenbau are used primarily for refining treatment and casting of the aluminium melt in casting plants and transport crucibles. Comprehensive expertise and experience in the construction of furnaces and plants based on stringent quality assurance and a high level of commitment – these are the success factors that guarantee the continuous and exceptional standard of quality in all plants supplied by Bartz.

Equipped with powerful regenerative burner systems, the furnace systems by Bartz achieve outstanding efficiency and make an effective contribution to reducing CO<sub>2</sub>- and NO<sub>x</sub>-values.



## Compact – Robust – Durable

The vaulted ceiling and floor construction eliminates the need for complex reinforcement of the furnace casing and additional refractory support. At the same time, the hydraulic tiling furnace type offers maximum stiffness and stability.

Highly efficient heating is provided by two regenerative burners flanged to the side walls, which can use either gas or oil.

Aluminium bath treatment with purge gas can be processed automatically by lowering lances into the melt from sealable openings in the ceiling, and/or via porous plugs arranged in the furnace floor



### Features

- compact design, small footprint
- very clear and maintenance-friendly design
- long-life refractory material, no collapsing walls or hollow spaces resulting from the use of custom-cut refractories
- generously dimensioned charging opening, highly accessible with extremely short cleaning times by tilting the furnace when alloy is changed
- door sealing with adjustable sealing plates
- regenerative burner systems ensure effective  $\text{CO}_2$ - and  $\text{NO}_x$ -minimisation
- high burner efficiency
- state-of-the-art PLC control technology
- high level of energy efficiency with the aid of optional PID control algorithm
- integration in existing network infrastructures via Ethernet interface
- casting spout system arranged in the tilting axis of the furnace for cascade free casting of the liquid metal



## Contact

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### Range of services

- Tilting drum furnaces
- Treatment, holding and casting furnaces
- Rotary drum furnaces
- Liquid metal treatment
- Casting and stacking plants
- Granulation plants