HEAT TREATMENT FURNACES

Stress Relieving Bogie Hearth Furnace

Bogie hearth furnace sized for stress relieving large welded fabrications.



TEMPERATURE
Up to 700°C

HEATING
Gas (LPG/PNG/CNG) or electric

INDUSTRIES
Heavy fabrication, boilers

Specifications

Example inside size	7,000 × 1,800 × 1,200 mm
Maximum temperature	1,000°C
Working range	500°C to 950°C, ±5°C
Zones	3
Heating	3 monoblock burners (LPG/PNG/CNG) with auto-ignition, or electric
Circulation	3 SS-310 roof fans, 2 HP, water-cooled
Insulation	250 mm ceramic fibre
Bogies	2
Outer wall	within about 25°C of ambient
Door	lift-and-swing

Features

- Load on the bogie outside the furnace
- Two bogies for faster turnaround
- Three-zone control for long loads
- Water-cooled roof fans for even temperature
- Programmable ramp, soak and cooling
- Erection and commissioning by AHS

Applications

- Pressure vessels and heat exchanger parts
- Structural and machine frames
- Boiler components and headers
- Heavy castings and forgings
- Fabrication shops doing post-weld heat treatment