

Bogie-hearth Furnaces of Batch Heat Treatments

The Recirculation Furnaces of Batch Heat Treatments require tight temperature uniformity in large furnace space.

Features

- Heating System:
 - Gas-fired open burners operating under different combustion control modes depending on process temperature range, such as, sequential pulsating or combustion air fixed gas regulating modes
 - Heating elements by means of wire or strip type eclectic resistance, depending on the total eclectic power required for process
- Excellent temperature uniformity with accurate temperature control system
- Loading and unloading can be manual or automatically operated
- Door can be hinged or sliding type with manual or automatic door driving mechanisms
- Special design automatic door tightening system
- Forced internal recirculation in vertical, longitudinal or cross flow by mean of centrifugal fans
- Adjustable inlet and outlet to control desire convection direction
- Heating elements can be easy access from outside of furnace for maintenance
- Cooling process by ambient air recirculation system can be optionally supplied
- Use adjustable perimetric joint to seal between Bogie-hearth and Furnace chamber sidewalls

Applications

- Heat treatments for
 - Hardening
 - Tempering at low and high temperature
 - Annealing
 - Normalising
 - Austenitising
 - Stress relieving
 - Preheating prior to Hot Forging
- Aimed at industrial sectors such as Aeronautics, Automotive, Heavy Machinery and Electric, Mechanical, Heat treating, Metalworking, Petrochemical, Energy (Wind, Hydraulic, etc),

Specifications

- Maximum working temperature ($\leq 750^{\circ}\text{C}$)
- Option Items: Bogie Transfer car
 Automatic load feeding devices







