

Recirculation 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 convection furnaces (Directly or indirectly)
 - Electrically heated convection furnaces
- 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

Applications

- Heat treatments for
 - Stress relieving (Aluminum, Titanium, etc)
 - Tempering
 - Dehydrogening
 - Annealing and artificial aging (Aluminum)
 - Curing (Ceramic composites and paints)
- Aimed at industrial sectors such as Aeronautics, Automotive, Heavy Machinery and Electric, Metalworking, Energy (Wind, Hydraulic, etc),

Specifications

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

Operation Sequence:











