



Alhern-Martin

Industrial Furnace Company

www.alhern-martin.com

Copper Brazing and Bright Annealing Furnaces

Alhern-Martin Industrial Furnace Company features state of the art Copper Brazing and Bright Annealing Furnaces. These time tested furnaces built with either insulating firebrick or ceramic fiber lining (used for rapid heat-up and cool down) are built with unmatched quality and durability. Cooling chambers are independently controlled by water flow regulators for water conservation. Closed loop or open loop recirculating systems with heat recovery can be added for substantial energy savings. A straight through or hump type design will accommodate your brazing (stainless steel) and/or annealing applications. Various types include continuous, batch, belt, roller hearth, or combustion.



S.P.C. compliance monitors are available to monitor furnace temperature, belt speed, hydrogen content, dew point, and cooling chamber temperatures. I.R.I. and F.M. insurance requirements are met and revised as necessary to meet your specific requirements. For custom designs to meet your particular needs, many standard belt widths, zone lengths, and power inputs are available. Standard designs range from 100kW to 1200kW. All models are prewired and prepiped for easy installation.



Standard Features:

- Continuous mesh belt conveyor
- Silicon carbide heating elements
- Aluminum buss bars for trouble-free operation
- Over-temp control in all zones
- Variable-belt speed control with electronic shear pin
- Rugged 1/4" plate steel construction
- 2" thick silicon carbide hearth tile with or without side guard edges
- Insulated charge and discharge exhaust hoods
- Multiple atmosphere inlets for better balance of atmosphere flow
- Unique belt drive system that compensates for belt growth and allows for scheduled shortening
- HDR or equivalent S.C.R. controls
- Single or multiple heating zones.

Services:

- Custom designs and water recirculation systems
- Turnkey installations
- Total repair service
- Complete parts service
- Consultation services

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