



RIFCO

Industrial Furnaces

Industrial Furnaces Box / Batch Furnaces

RIFCO Industrial Box / Batch Furnaces can accommodate a diverse range of load types, configurations and materials.

From single, large metal ingots for forging or rolling, to multiple weldments for stress relieving, to pre-cast refractory shapes for bake out--- Challenge us with your toughest furnace applications!

Standard Features

RIFCO Industrial Box Furnaces are one of the most cost-effective furnace designs available:

- Built to meet your specifications!
- No rolling frames, tracks or drive systems required means a smaller overall footprint (vs. Car Bottom)
- No leaks between the hearth and furnace and more efficient door seal designs (vs. Car Bottom Style)
- Capable of Large-Width designs, making it easier to load multiple work pieces with lighter equipment
- Low-Mass Hearth designs available
- Load sizes up to 100,000+ lbs.

Common Applications

- Tempering
- Forging - Open & Closed Die
- Foundries - Ferrous & Non-Ferrous
- Ceramics
- Heat Treating
- Aluminum aging
- Annealing
- Stress relieving
- Many more...

Insulation

RIFCO Patented 'Mega-Block'™ full-wall style ceramic fiber lining is featured on all RIFCO Industrial Furnaces:

- Suitable for both Plate and Expanded Metal Casings with stainless steel attachment hardware
- Available in any shape or size
- Allows fiber to be uniformly compressed to compensate for fiber shrinkage at elevated temperatures

Temperature Range

Operating Temperatures from as low as 400° F to as high as 2,450° F

Heating Medium / Controls

- Electric, direct gas-fired or indirect gas heating systems available
- Intuitive cooling cycle burner control
- Full modulating, On-Ratio, Excess Air and Cascading Impulse type controls available.
- Pulse firing combustion control
- Single or multiple combustion / temperature zones available
- Many more...

Air Circulation

- High-temperature circulating fans available below 1,600° F
- In-Wall style flues
- Trim Flues

Door Features / Options

- Electromechanical, pneumatic or hydraulic door drives
- Chain type door closure mechanism
- Bulkhead door adjustments
- Adjustable side containment plates
- Adjustable door stops
- Twin-axis swing type actuation

Installation

Modular designs for easy assembly and commissioning on site. Various options.

Options

- Pre-cast refractory shapes
- Furnace pressure controls
- Temperature recording
- Flame safety monitoring systems
- Many more... **Contact Us for more info!**

Manufactured by:

BENKO PRODUCTS
ENGINEERED TO BE MORE

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RIFCO Industrial Box / Batch Furnaces can be found in a variety of industries, including these and more:

- Steel Mills
- Forging- Open & Closed Die
- Foundries- Ferrous & Non-Ferrous
- Ceramics
- Heat Treating



Turn-key project for three (3) High-Temperature (2,400° F) Industrial Box / Batch Furnaces designed and built for Carpenter Technology's #4 Hot Strip Mill in Reading, PA.



Modular design for a 3-zone, 40' deep High-Temperature (2,400° F) Industrial Box / Batch Furnace being staged for shipment.

Contact us for more information on a custom solution for your application!

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WARRANTY: All products manufactured by Benko Products, Inc. have a two (2) year warranty (unless otherwise specified) from the date of shipment against defects in workmanship or material. Any part or component, except items covered by warranties of other manufacturers, returned to the factory or service center freight prepaid by the owner, found upon examination by Benko Products, Inc. to be defective or the result of improper workmanship by the factory will be repaired or replaced without charge and returned to the owner freight prepaid by Benko Products, Inc. Any alterations of Benko Products, Inc. products void any warranty or liability on the part of Benko Products, Inc. Benko Products, Inc. does not guarantee product capacity if alterations are made.