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!**

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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!

BENKO PRODUCTS
ENGINEERED TO BE MORE