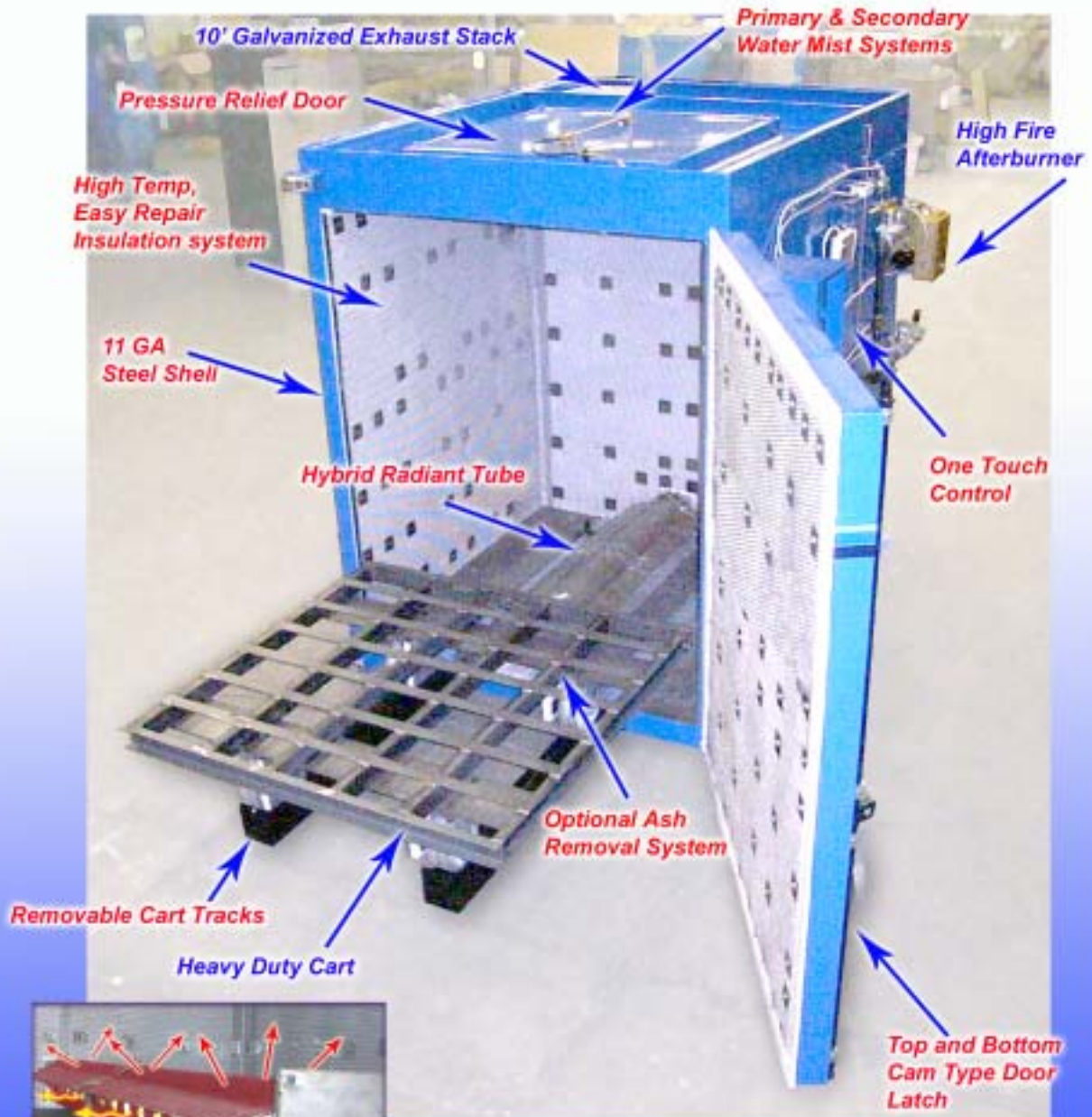


Think all Burn-off Ovens are alike? Take a look at the unique features of the ACE Radiant Tube Burn Off Oven System.....



Illustrates the Radiant Tube Heating system. Convection and Radiant heat provides efficiency and uniformity.

ace

ACE EQUIPMENT COMPANY
4725 MANUFACTURING ROAD
CLEVELAND, OHIO 44135
800-255-1241 216-267-6366
www.armaturecoil.com

ace

RADIANT TUBE OVEN

One Touch Control (OTC)

The automatic self-adjusting system permits no margin-of-error for over or under processing time. It does not require an experienced operator to select a menu or estimate the amount of combustible material in the load. One touch of the start button, then let the OTC do the work for any size load.

Radiant Tube/Convection Heating Design

The RT system consists of a radiant tube, which directs the radiant energy upward. The radiant tube, located under the oven cart, is positioned in the center of the oven and extends from the back wall to oven door. A gas burner fires directly into the entire length of the Radiant Tube. Convection heat evenly comes out the numerous holes on the left and right side along the entire length of the Radiant Tube. Radiant energy is also evenly emitted along the entire length of the Tube. Heat from the Radiant Tube results in a consequent heat extraction efficiency of 93%.

Runaway Fire Prevention Primary and Secondary Systems Design

One of the most important features of our oven is the system to inhibit combustion in a low oxygen atmosphere. Too rapid release of vapor may result in ignition, runaway fires and overloading the afterburner.

Significant Fuel Economy

The RT oven operates with the ability to generate up to 93% thermal energy efficiency. As a ballpark figure, solely convection heated ovens only generate up to 65% efficiency. Convection ovens have relatively low rate of heat transfer, as well as a need for forced air movement, resulting in uneven heating and hot and cold spots.

High Fire Afterburner

Primary burner will not ignite until afterburner reaches 1,400°F. The system permits the afterburner to heat up quickly and maintain the minimum operating setpoint temperature.

Exhaust Stack Construction

2" thick, 2,700°F rated insulation. 10 feet of stack is supplied as standard. Optional stainless steel stack.

Pressure Relief Door

Relieves pressure in the oven in the event of run-away fires.

Wall Construction

11 gauge steel enclosure with 1/4" thick steel front face to support front door and for durability. Interior walls are protected with a rust inhibitive coating. 4" thick high temperature blanket insulation line the oven shell interior and are protected from mechanical damage by 1/16" thick steel expanded metal.

Heavy Duty Cart

The heavy duty cart sits on removable cart tracks. High temperature lubricant keeps casters moving freely.

Optional Ash Removal System

This unique feature sweeps out the residual ash leftover from the stripping cycle. Ash is automatically swept out when the cart is rolled out of the oven.

ACE EQUIPMENT COMPANY

4725 MANUFACTURING ROAD
CLEVELAND, OHIO 44135

TEL 800-255-1241 FAX 216-267-6366

www.armaturecoil.com