

# Core Wash Drying Oven



## Standard Features:

- Aluminized Steel Construction
- Flat Wire Mesh Belt with variable Speed Controls
- Nema 12 rated Control Panel (machine mounted)
- Entrance and Exit Conveyor Stops
- Heating Safety Equipment
- Over Temperature Control
- Factory Assembled and Tested

## Additional Options:

- Stainless Interior
- PLC/HMI Process Automation
- Data Collection
- UL/CE Labeled Control Panels
- Automatic Shutdown Timer
- Exit End Photo Eye
- International Voltages
- Spare Parts Available
- Field Installation, Start-up and Training



Core Wash Drying Ovens work with minimum heat absorption. The purpose of the Core Wash Drying Oven is to dry core wash coating applied to sand cores. The process will eliminate the space and time required for the ambient air drying of sand cores. Proper air circulation and exhaust sizing accelerates drying time and allows the cores to dry with minimum absorption of heat into the sand core.

Sand Cores come in all shapes and sizes that commonly require a specific impingement air pattern.

Testing with the customer provided cores can be conducted in our R & D lab to prove and confirm the process parameters prior to engineering and manufacturing. Extensive history with testing a wide variety of cores strengthens our ability to size and design a drying oven when the core is not available for testing. An oven designed to your range of core size(s) will result in a highly energy efficient system.

Our robust Core Wash Drying Oven is designed to withstand abrasive foundry environments.





# Core Wash Drying Oven



**Each Core Wash Drying Oven is designed for the specific application and environment.**

## **Typical Heat Processing Application(s)**

Core Wash Drying Ovens are used to dry core wash coating applied to sand cores.

## **Industry Applications**

Foundry

## **Power Source Options**

- Main Power Supplies 208 to 690 Volt AC, 50 and 60 HZ
- Control Voltage 24 Volt DC or 120/220 Volt AC

## **Heat Sources**

- Electric
- Propane
- Natural Gas
- Fuel Oil
- Other Fuel Mixtures

## **Material Handling Options**

- Belts: Flat Wire, Balanced Weave, Mesh
- Chains: Horizontal, Slat and other attachments

## **Construction Specifications**

- Heavy gauge aluminized steel
- Optional 304, 316 Stainless Steel or other nickel alloys for temperature and corrosion resistance
- High-density energy-saving insulation
- Access to the interior of the oven, fan, and heating chamber