



Custom Vinyl Bending Systems to fit **YOUR needs**

Vinyl Ovens:

The ovens manufactured by CA Design are superior to all other systems. We use innovative technology and user friendly controls in every machine constructed.

Overview

Features:

- Multi zone heat control
Each 'Section' of the oven is monitored with high quality temperature sensors and infrared heating.
(Standard 12' length has 3 zones)
- Advanced temperature process control
Gives a continuous temperature throughout the entire oven, eliminating cold spots.
- Stainless Steel and Aluminum Construction
The construction of this oven will out last any other system on the market!
- 2 access doors
Two doors allow you to operate from either end of this oven. The entire top opens to give access for maintenance.



CA Design uses the latest technology in every piece of equipment. There are many features that set our equipment apart from all of the rest. Listed here are several of the features (not limited to) that come standard in our Vinyl Ovens.

Construction:

-Materials-

All of our equipment is made from a combination of stainless steel and aluminum. Not only does this construction make our equipment strong and durable, it is easy to clean & maintain and retains its appearance year after year.

Safety:

-Design-

Every component is designed with safety in mind. We use only UL approved parts and every machine has a fail safe design.

Operation:

-Access-

Two doors allow you to operate from either end. There are a series of panels along the top of the oven that provide access for maintenance and cleaning.

-Interface-

The operator interface is very user friendly; once the machine is turned on there is virtually nothing else that the operator has to do. The only control the operator generally uses is a timer, alerting them when the vinyl is hot.

Technology:

-Multi Zone Heating Control-

The oven is divided up into a series of zones- each zone is both monitored and controlled independently.

-4-20mA SCR Control for each Zone-

This linear action controller prevents temperature swings; thus keeping the oven from overheating or getting too cool, as opposed to the traditional heating control schemes which use on/off control.

-Convection Heat-

In addition to the radiant heat, a convection fan is used to circulate the air around the vinyl, reducing cool/hot spots.

Options:

-Communication-

Your system may be equipped with a modem or other optional interfaces. In the event of a problem, CA Design can remotely connect to the Process Controller and help your technician troubleshoot or monitor: zones, temperatures, inputs/outputs on the process controller, and other devices.



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