

# ***THE PINSKE EDGE***

**#48133**

## **INDUSTRIAL STRIP THERMOFORMING OVEN**

To assemble oven: Take the two stands with casters and attach the three long leg braces to each stand using the bolts provided. When the stand is assembled, place the oven on top of the stand. The oven requires a 20 amp breaker with a 20 amp range receptacle which is supplied. Voltage is 220.

When you receive the oven, it will have an oil residue on the inside. Run the oven to burn off the inner residue. The oven will take about 15 minutes to reach 300 Degrees F.

To turn the oven on, set the temperature control to the proper setting. When the oven elements are heating, the red light will be illuminated. When the oven reaches the set temperature, the light will go off.

Each solid surface material bends differently - size, color and thickness have an effect. We recommend, on ½" material, that you set the temperature at 275 to 280 degrees Fahrenheit. As previously stated, material color and thickness will make the time for thermoforming vary. It is always best to test the various solid surface materials before working on the entire job. By testing, you will get a feel for the desired end effect. To check for the correct time, we suggest taking three pieces of the material to be thermoformed and cutting them in ½" x ½" x 24" pieces. Place all three pieces in the oven. After 15 minutes, take the first piece out and check to see how pliable it is. If you can tie a knot with the material and have no stress marks, you have reached the correct time. If the material breaks, then wait five additional minutes and try the procedure again. When a knot can be tied without breaking or any stress marks showing, you have reached the correct timing for your material. In most cases, 25 to 30 minutes should be sufficient time for the material to be in the oven. Always check the pieces to see how they are doing.

You must use a form for bending your material. The material must be clamped securely and evenly to your form. Leave material that has been placed on the form cool for approximately 3 to 4 hours.

**Safety Note:** The oven door is very hot to touch. Always use oven gloves when handling hot material.

### Recommended Safety Equipment

Oven Gloves

Eye Protection

Heat Protective Vest

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