

# CURING OVENS

## HOT AIR CURING OVEN



Low profile and compact design provide a clean look, easy operator access and minimized floor space.

Conveying product using support rollers, profile rollers, flat seamless belting or no support at all are possible.



Touch Screen Interface controls the heating zone or entire oven line.



FM approvable gas trains. Controls use standard off the shelf components. Burner on wheels with attachment clamps for maintenance access.



**This information only represents a few of the machines we have done.  
Call us and discuss your exact needs today.**

*Together we build a better product.*



**Engineering & Industrial Services**

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# ***HOT AIR CURING OVEN FEATURES***

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- ◆ Heavy gauge Stainless Steel construction of curing tunnel; outer shell and lid is heavy gauge Steel painted inside and out. Aluminum tunnel lid features double sealing gaskets.
- ◆ Insulation is 10 inches of bulk material in outer shell and 7 inches in lid.
- ◆ Burners and heat exchangers have been mounted under the oven to facilitate floor space. Designed for easy removal for servicing as needed.
- ◆ PLC control with color touch screen interface. Curing tunnel air velocity and temperature monitored and settable through operator interface.
- ◆ Temperature range– Designed for 1000 Degrees F. Tested at 700 Degrees F. Operating range 300 to 650 Degrees F.
- ◆ 1 million BTU/Hr Gas burner. Natural or Propane available. Electric heating also available.
- ◆ Variable curing tunnel air velocity– 1500 to 4000 Feet Per Minute. Can run as high as 6000 Feet Per Minute.
- ◆ Profile heat chamber. 7” high by 8” wide. Can be run without conveyor or support rollers for rigid material.
- ◆ Exhaust blower is insulated. High temperature bearings on blower. Some exhaust air can be brought into the combustion air stream by manually setting a damper.
- ◆ Exhaust blower is controlled by PLC to provide positive or negative air condition. Positive or negative value is settable from the operator interface. Pressure in curing tunnel is monitored for changes and exhaust blower is adjusted automatically to reflect the operator settings.
- ◆ Optional heat exchanger removes heat from the exhaust stream and transfers this heat to the combustion air stream. Combustion air stream is thus heated and clean.
- ◆ Optional fire suppression equipment. Ports provided on oven for connection.
- ◆ AC drive gives speed regulation of +/- .01 % of set speed. Belt drive for changing speed ranges without changing gearbox.
- ◆ Standard belt is high temperature smooth surface with endless construction using material that is fabric, stainless steel, or mesh fabric. 6” wide standard.

● **Call For More Information** ●

**Other services include rebuilding/refurbishing used equipment to like new condition.**



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