



VCO SERIES

16, 24 & 32

*MODULAR U-TURN GARMENT CURING OVEN
AVAILABLE IN GAS OR ELECTRIC HEAT*



LEONARD AUTOMATICS, INC.

"our reputation is stainless"®

The **VCO Series U-turn** garment curing ovens are the perfect fit for high volume industrial garment manufacturing applications. The U-turn configuration allows for **higher production** within a relatively small footprint while containing the heat and controlling the airflow more efficiently.

As the leading innovators in garment curing oven design and construction, Leonard Automatics, Inc., works hard to continually improve our products. It is our goal to provide you with equipment made from the highest quality materials and components so you can be assured the equipment you purchase will provide years of trouble-free service.

Since we first began offering our VCO Series U-Turn curing ovens in the mid 1980s, they have become the standard against which all other high capacity curing ovens are rated.

In 1999 an important feature was added to the VCO Series U-Turn Curing Oven... expandability! With our patented process, your new oven will grow as the demands of your business grow. With Leonard Automatics as your partner, you will never out-grow your investment. Your new VCO Series oven could be the last oven you ever buy.

"our reputation is stainless"®

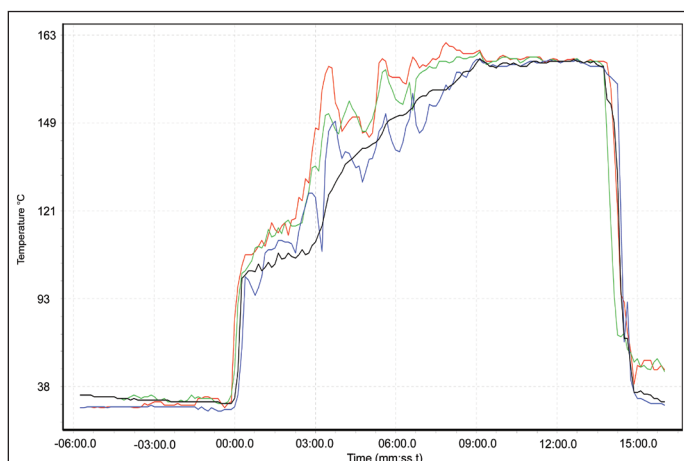
And, so is our equipment. Just like everything else we build, the VCO Series Curing Ovens are constructed of stainless steel panels to provide the highest level of quality and long life that continued



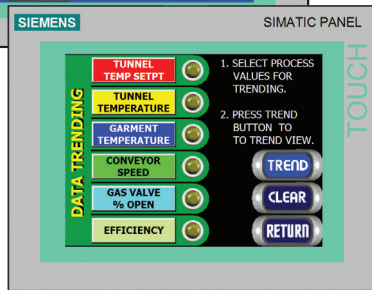
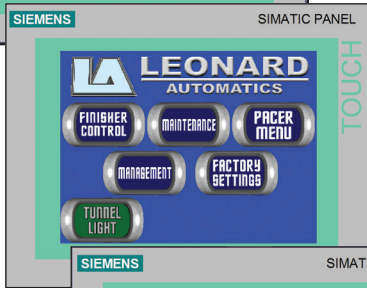
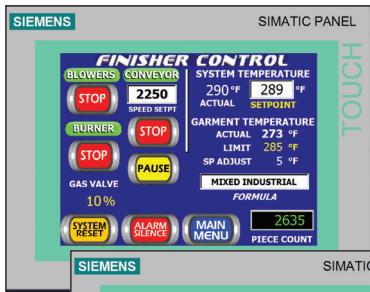
VCO with Basic Conveyor Option

Temperature Control

Even and controlled heating of the garment is of critical importance during the curing stages of garment manufacturing. The unique design of the **VCO Series U-turn** ovens allows for superior temperature



control. The sample graph to the left shows how we are able to bring the garment up to temperature and hold it there for the duration of the trip through the oven ensuring consistent and even curing throughout the process.



Leonard Automatic is proud to feature the **optional PLC Interface Control Center** on the VCO Series of products. The touch screen allows for intuitive and straightforward access to all oven operational controls. Features include automated troubleshooting, maintenance schedules, alarm logs, preventative maintenance schedules, runtime history and much more. **Total control** is now at your fingertips.

VCO SERIES STANDARD FEATURES

- *External blower shaft*
- *Factory installed exhaust system*
- *External wiring*
- *Rear door safety shut-down*
- *Adjustable air louvers*
- *Patented "Simple Addition" modularity*
- *Burner & Conveyor Interlock System*
- *UL Listed Control Panel*

VCO SERIES OPTIONAL FEATURES

- *Automated troubleshooting*
- *Automated maintenance scheduling and prompts*
- *Alarm history*
- *Maintenance history*
- *Automated over-temperature shut-down*
- *Lint filter monitoring*
- *Ethernet module*
- *Infrared temp. control*
- *Pacer Production*



Infrared Garment Temperature Control

Historically, curing ovens only measured air temperature. Now, with the addition of this option you have the power to actively monitor garment temperatures in real time while your oven is in operation. The oven will know when the garments within have reached a dangerously high temperature and will dial back the burner enough to keep the garments from being damaged and wasting energy.



A graph, rendered in real time, shows garment temperature trends giving the operator unprecedented control over the curing process. Target garment temperatures can now be accurately controlled for the highest quality cure.

TECHNICAL SPECIFICATIONS

	VCO-16GH	VCO-16GH	VCO-24GH	VCO-24EH	VCO-32GH	VCO-32EH
Machine Size						
Length (in/mm):	217 / 5,512	217 / 5,512	309 / 7,849	309 / 7,849	401 / 10,185	401 / 10,185
Width (in/mm):	60 / 1,524	60 / 1,524	60 / 1,524	60 / 1,524	60 / 1,524	60 / 1,524
Height (in/mm):	106 / 2,692	106 / 2,692	106 / 2,692	106 / 2,692	106 / 2,692	106 / 2,692
Weight (lbs/kg):	5,800 / 2,636	5,800 / 2,636	8,300 / 3,772	8,300 / 3,772	10,800 / 4,909	10,800 / 4,909
Electrical Service <i>(stanard equipment with no exhaust)</i>						
Standard Voltage:	230 or 460 / 60hz / 3ph					
Full Load Amps:	26 / 13	286 / 144	39 / 19	361 / 182	62 / 32	445 / 221
Gas Requirements						
Operating Pressure (w.c):	13	n/a	13	n/a	13	n/a
Operating Pressure (mbar):	33	n/a	33	n/a	33	n/a
Burner Rating (btu/hr):	1,500,000	n/a	1,500,000	n/a	1,500,000	n/a
Burner Rating (kW)	440	n/a	440	n/a	440	n/a
Average Usage (btu/hr):	300,000	n/a	475,000	n/a	750,000	n/a
Average Usage (kW):	88	n/a	140	n/a	220	n/a
Ventilation Requirements						
Exhaust Duct Size (in/mm):	16 / 407	16 / 407	16 / 407	16 / 407	16 / 407	16 / 407

VCO 16 - 32 GH

