



INDUSTRIAL OVENS

**BATCH OVENS • CONVEYOR OVENS • DRUM HEATERS
FIELD ASSEMBLED OVENS • CUSTOM EQUIPMENT**

"Performance that's Built to Last!"

Batch Ovens

LEWCO Batch Ovens set the industry standard for reliability and performance. Offering over 2,000 standard models in temperature ranges up to 1,200°F, there is a LEWCO oven that is sure to suit your application.

Our product line includes a full range of Cabinet Ovens, Normal and Enhanced Duty Walk-in Ovens, as well as High-Temperature Furnaces. All LEWCO Ovens feature heavy-duty construction and utilize only the highest quality purchased components to assure years of trouble-free operation.



Use LEWCO's product configurator to build your oven online!



Batch Ovens at a Glance:

- ▶ Temperature ranges up to 1,200°F
- ▶ Electric, fuel-fired, or thermal fluid heat
- ▶ NFPA 86 Class A designs for flammables or combustibles
- ▶ Enhanced Duty ovens guarantee $\pm 10^{\circ}\text{F}$ temperature uniformity
- ▶ Dual or horizontal airflow patterns
- ▶ Aluminized steel interior and cold rolled steel exterior
- ▶ Standard Door options include bi-parting swing doors or vertical lift guillotine style
- ▶ All models are fully assembled, wired, and factory tested prior to shipment

Conveyor Ovens



LEWCO is the ONLY U.S. based manufacturer of Industrial Ovens that also manufactures a standard line of Conveyor Products. With this combined expertise, LEWCO leads the industry in the manufacturing of Conveyor Ovens. We offer over 70 standard models including belt, chain, and powered roller models in electric, fuel-fired, steam and thermal fluid heat.

Years of experience combined with a variety of pre-engineered, standard designs, allow us to provide a custom, yet cost-effective, solution to suit most any continuous heat processing application.



 Use LEWCO's product configurator to build your oven online!

Conveyor Ovens at a Glance:

- ▶ Temperature ranges up to 800°F
- ▶ Electric, fuel-fired, steam and thermal fluid heat
- ▶ Belt, chain, and powered roller conveyor models
- ▶ NFPA 86 Class A designs for flammables or combustibles
- ▶ Vertical down, dual, or horizontal airflow



Field Assembled Ovens

LEWCO Field Assembled Ovens are manufactured utilizing our proprietary modular construction; a cost-effective solution for ovens too large to ship in sections. Pre-fabricated wall and roof modules, along with factory-assembled heater boxes and a complete set of detailed assembly drawings, ensures a quality finished oven is installed on time and on budget. Additionally, LEWCO field service personnel are available to provide services ranging from installation supervision, start-up and commissioning, through complete turnkey installations.



Custom Equipment

In addition to our standard product offering, we also have the capability to design custom heat-processing and material handling equipment to meet unique, customer specific application requirements.



Automated Heat Treat Cell

**Vertical
Conveyor
Oven**



Control Systems

Standard Control Package:

LEWCO's standard control package includes a single loop temperature controller and redundant high-limit controller. Circulation fan(s) and exhaust fan(s) include air proving circuits that are electrically interlocked with the heating circuit. All controls are housed in a NEMA 12 enclosure with a full voltage lockable disconnect switch. The complete control panel is designed and wired to meet the requirements of the NFPA 70 – National Electric Code, NFPA 79 – Electrical Standard for Industrial Machinery, and NFPA 86 – Standards for Ovens and Furnaces.

► Ramp/Soak Temperature Control Upgrade:

Upgrade the single loop temperature controller to a ramp/soak controller. This simple yet reliable controller can store multiple ramp/soak part recipes providing controlled heat-up and cool down of parts.

► Data Acquisition Upgrade:

This upgrade includes all of the base features of the standard control package with the addition of a secure data recorder. A variety of data recorders are available to meet your application requirements. These range from a simple data logging temperature controller to a 48-channel paperless recorder specifically designed for Aerospace applications and AMS2750 compliance.

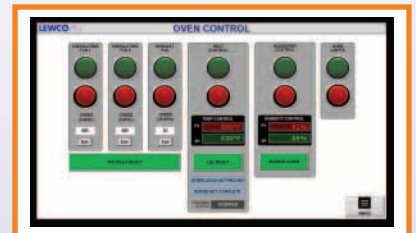


PLC/PC Control Package:

LEWCO's PLC/PC control package includes a PLC (Programmable Logic Controller), ramp/soak temperature controller, high-limit controller and touchscreen HMI (Human Machine Interface) programmed with LEWCO's proprietary SCADA (Supervisory Control and Data Acquisition) software. Standard functionality and operating screens are perfectly suited for many applications; however, the system can be easily tailored to meet specific customer requirements. The complete control system is designed to help customers meet AMS 2750E standards.

Composite Control Packages:

LEWCO's composite curing control packages include a variety of different options and are easily customized to suit our customer's needs. Options include a ramp/soak temperature controller, custom part libraries, batch recording, and reporting capabilities. Data recording with optional vacuum ports and type "J" thermocouple jacks in the oven are also available. Each vacuum port includes a manual shut-off valve and dial-type vacuum pressure gauge mounted on the oven exterior. All ports are tied into a common header pipe for a single point connection to the vacuum source. The composite control packages are fully customizable and can be altered to obtain a fully automated control system or meet any customer's specifications.



Drum & Tote Heaters

LEWCO is the world's leading manufacturer of **Drum Ovens**, **Drum Hot Boxes**, and **Drum Heating Tunnels**. Offering over 100 standard models, no other company has as broad a product offering or technical expertise as LEWCO. All models feature our signature welded steel, heavy-duty construction and simple, user-friendly controls. Each unit comes complete with a **(3) year warranty** and is fully assembled, wired, and factory tested prior to shipment.



Traditional "Hot Box" Heaters



LEWCO's Traditional Drum & Tote Heaters are the **most common** and **economically priced** solution for elevated temperature storage and heating. This is the same "Hot Box" design that has served the industry for nearly 30 years. Available in electric, steam, hot oil, or hot water with capacities of 1 to 32 drums (1 to 8 totes), these ovens are rated for temperatures up to 300°F.

Controls

- ▶ Single set-point digital temperature controller and redundant high-limit controller.
- ▶ Housed in a NEMA 12 enclosure with full voltage lockable disconnect.
- ▶ Controls are designed and wired to NFPA 70 and 79 electrical standards.



Options

- Stainless Steel Construction
- Batch Timer
- Adjustable Leveling Legs
- Chart Recorder
- Circulation Fan
- Exhaust Fan
- Data Logger
- 7-Day Timer
- 3rd Party Inspection
- Door Switch
- Ramp/Soak Controller
- Outdoor Package



..... High-Performance Heaters

Introducing a revolutionary breakthrough in rapid heat transfer... LEWCO's High-Performance Drum & Tote Ovens provide **25% faster heat-up times** and, by design, are **safer** than traditional "hot box" models. These models employ a high-velocity fan, which pulls air from the oven workspace, circulates it over the heating medium, and then delivers it at a highly convective rate back to the oven workspace. As standard, High-Performance Drum & Tote Ovens are designed and manufactured to meet the requirements of **NFPA 86 Class B** ovens. Available in electric, steam, hot oil, or hot water with capacities of 4 to 32 drums (1 to 8 totes), and temperature options of 300°F. and **450°F.**

Drum Heating Tunnels.....

LEWCO Drum Heating Tunnels are designed to solve drum handling and heating needs with one convenient piece of equipment, offering a degree of **systems integration** and control capability not seen with traditional hot boxes. Available in electric, steam, hot oil, or hot water with capacities of 12, 16, and 20 drums. These models are rated for temperatures up to 300°F.



..... Constant Temperature & Cooling Cabinets

LEWCO also manufactures standard cabinets to store materials at constant temperatures at or below ambient. Our Constant Temperature Cabinets feature industrial grade HVAC control systems, which automatically switch between heating and cooling, as required to maintain specific temperatures between 50-90°F. LEWCO Cooling Cabinets are capable of maintaining materials at temperatures between 34-45°F. Both products are available in capacities of 4 to 32 drums (1 to 8 totes).



**Configure your LEWCO product today using our
PRODUCT CONFIGURATOR at www.lewcoinc.com!**

- ▶ User-friendly interface guides customers through available features and options
- ▶ Provides detailed specifications of configured model
- ▶ Simple and fast approach to begin quotation process



**Come visit us,
you'll be impressed!**



ABOUT US

Located in north central Ohio, our 165,000 sq. ft. facility houses a complete staff of over 150 industry professionals. We utilize state-of-the-art 3D solid modeling design software and CNC metal working equipment to design and manufacture our quality products. It is our mission to meet or exceed the expectations of our customers by providing quality products, on time, safely and efficiently.

Our Quality Management System seamlessly integrates all corporate resources to ensure these expectations are achieved. We invite you, our valued customer, to visit our facility and see for yourself the attention to detail that goes into the manufacturing of our reputable products.

We want to hear from you

LEWCO, Inc.
706 Lane Street
Sandusky, OH 44870
Phone: 419.502.2780
Fax: 419.625.1247
ovensales@lewcoinc.com

www.lewcoinc.com



Follow us