

LEWCO'S 6-STEP PROCESS FOR CUSTOM OVEN DESIGNS

TABLE OF CONTENTS

- APPLICATION REVIEW 1
- CONCEPT DEVELOPMENT 2
- DESIGN 3
- MANUFACTURE 4
- INSTALLATION 5
- SUPPORT 6

STEP 1: APPLICATION REVIEW

The application review is the first and most important step in our custom design process. Before LEWCO's application engineers can design your custom oven, they need to know exactly how the unit will be used.

Our application engineers are the shining stars of our process. By conducting an application review, they can create the perfect piece of equipment that supports your operation.

Once they understand the application for the oven, they get to work determining the exact requirements of the unit. Because so many products need to be treated with heat, there are countless designs we can come up with.

Whether you're producing carpet, paint, urethane or something else altogether, we can make an oven **that's perfectly tailored to your business.**



STEP 2: CONCEPT DEVELOPMENT



Once our application engineers know how you'll use your oven, they get to work developing a solution to your problem.

We can provide detailed concept drawings on request that show you how the oven design fits into your operation, both physically and logistically.

The concept we create is always based on your needs. We have your company's interests in mind 100 percent of the way. We stand by every oven we make because they're always designed thoughtfully and according to the highest industry standards.

Some of the key details we consider during the concept development stage include:



Temperature Requirements



Heating Medium



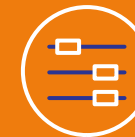
Airflow Patterns



Load Configurations



Process type, including batch or continuous processes



Control Options



Construction Details

STEP 3: DESIGN

An oven design is more than the unit itself. There are a range of outside factors that affect the end result. Before we begin manufacturing the oven, we provide you with your custom Solutions Summary.

The Solutions Summary includes a written description of the design, a detailed quote and concept drawings if requested.

The written description includes minute details of the system we're proposing, including everything from power considerations to space requirements so you can plan out your building accordingly.

STEP 4: MANUFACTURE

After you sign off on the custom oven's design, we begin the fabrication process. We've been in business for more than a century, but our metal fabricating shop is filled with state-of-the-art forming, cutting and welding equipment to ensure top product quality.

LEWCO is ISO 9001 certified, and we carry out quality checks frequently. We aren't satisfied with assuming our product is high quality; we want to know that it is. That's why we hold periodic inspections and make sure we always remain compliant with the applicable standards.

We also adhere to the most up-to-date version of the National Fire Protection Agency 86 Standard for Ovens and Furnaces. This ensures our equipment is safe to use in commercial and industrial applications.



STEP 5: INSTALLATION

We ship our ovens nearly fully assembled. Because of this, installation is so simple, many of our customers choose to handle it on their own.

However, we offer full-service solutions to every company for which we fabricate equipment.

When a company uses our installation services, one of our field service engineers comes to your location, as well as a contractor that we hire locally. Together, they unload the trucks, conduct any required assembly and place the equipment.

After that, you will supply the utilities to the machine, such as electricity, gas and steam. If the oven requires an outdoor exhaust stack, you'll arrange any building modifications that are necessary.



STEP 6: SUPPORT

We work hard on every oven we manufacture, and our goal is to create equipment that supports your business. If something ever goes wrong with the equipment, or if you have a question, our technical engineers are on standby to help. Simply give us a call, and we'll talk through the problem.

Because our ovens are typically straightforward pieces of equipment, we can usually resolve any issues over the phone. However, in situations when this isn't the case, we'll send a field engineer to your location to address the situation.

We understand that you depend on your equipment to work properly every time. The custom ovens we manufacture are dependable, and so is our customer service.



