



Model: EWR05ED

### Composite Curing Oven

LEWCO Composite Curing Batch Ovens are designed to meet the strict requirements of the aerospace and advanced materials industries. These composite curing ovens guarantee temperature uniformity of +/- 10°F and includes standard equipment for vacuum assisted composite curing. This model features a rear mounted heater box, which is ideal for installations with height restrictions. Each unit comes complete with a one-year warranty and is fully assembled, wired, and tested prior to shipment. All LEWCO ovens are manufactured to meet the requirements of NFPA 86, the national standard for ovens and furnaces.

#### Operating Temperature

- 200°F – 500°F (93°C -260°C)

#### Heating Source & Capacity

- Electric, low watt density Incoloy® heaters provide years of trouble free service.
- Standard heater bank assemblies are installed in high velocity ductwork to maximize heat transfer.

#### Airflow Pattern

- Dual Airflow: Hot air is supplied from both of the side walls and returned through a top plenum.

#### General Construction

- 16 ga. aluminized steel interior
- 18 ga. cold rolled steel exterior
- Heat loss is minimized by a unique wall design featuring a welded inner shell and a completely isolated outer frame and covers.

#### Finish

- Blue or gray alkyd enamel
- Optional: Premium finish for corrosive environments

#### Doors

- Heavy-duty doors on an isolated door frame minimize heat loss. Wire core gaskets create a tight seal for efficient heating.
- Explosion venting latches
- Standard: Bi-parting swing doors
- Optional:
  - Vertical lift guillotine door
  - Door windows

#### Floor

- Standard: 12 ga. plate floor
- Optional:
  - 12 ga. plate floor with (1) pair inverted angle track
  - 12 ga. plate floor with (1) pair 6" wide wheel guides
  - Insulated (100 p.s.f. max.)
  - Insulated with (1) pair inverted angle track
  - Insulated with (1) pair 6" wide wheel guides
  - No floor

#### Input Voltage

- Standard 480/3/60
- Please consult factory for other available options.

#### Controls

- 10" touchscreen HMI
- Custom reports available
- Ramp/ soak programming
- Non-editable file recording
- Batch recording with user defined fields
- Various automation control
- Operations select which thermocouple and vacuum ports to be used in recipe
- Ability to calibrate all recording devices
- Optional:
  - Part libraries available
  - Fully automated electric solenoids available in place of manual valves
  - Controlled cool down cycles utilizing variable speed exhaust
  - Variable vacuum pressure control

#### Quality Assurance

- Each unit comes complete with a (1) year warranty and is fully assembled, wired, and tested prior to shipment.
- Unit manufactured under ISO 9001 Quality Certified System.