Programmable Oven

Location of Machine: Composites Lab, RFM 1218

Location of SOP and Machine Operating & Safety Manual: Composites Lab website under resources; Composites Lab TRACS site; and Hardcopy near machine.

Emergency Contact:

- Call 911
- Call EHS & Risk Management at 512-245-3616
- Call Head Lab Technician, Dr. Ray Cook (office 512-245-2050)
- Call Dr. Jitendra S Tate (office 512-245-4872)

Before using this machine:

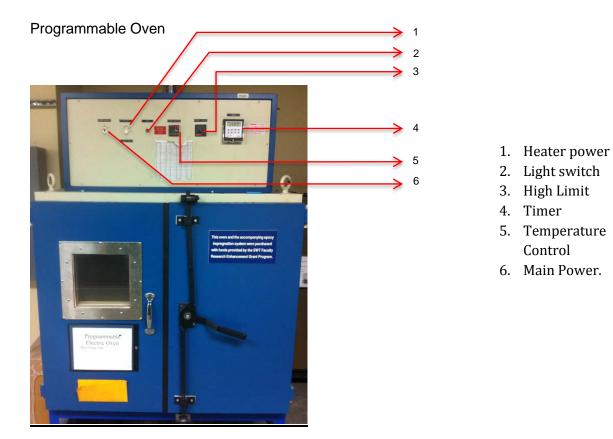
- You must have permission from Dr. Tate.
- You must have received formal training from technician or, trained research student (designated by Dr. Tate) related to machine safety and operation.
- You must read and understand SOP and Machine Operating & Safety Manual.
- You must use this machine under direct supervision of Dr. Tate or, Dr. Cook or, trained research student (designated by Dr. Tate).
- You must have signed "Lab Rules" document with Dr. Tate. This document must be signed every semester fall, spring, and summer (as applicable).
- If you do NOT follow above instructions you will be held responsible for your own safety and damages.

Safety Precautions:

Protective Equipment: Prior to performing this procedure, the following personal protective equipment must be obtained and ready for use: **Gloves, Safety Goggles, Lab Coat and Respirator.**

Important Safeguards:

- 1. To avoid explosion, glassware that has been rinsed with an organic solvent should be rinsed with distilled water before use in oven.
- Be cautious of chemicals that might pose a hazard because of acute or chronic toxicity. The following safety equipment must be accessible and ready for use: (e.g. chemical fume hood, biological safety cabinet, laminar flow hood, chemical spill kits) Exhaust system or/and respirators for toxic material.
- 3. In the event that a hazardous material spills during a procedure, be prepared to execute the following emergency procedure: **Clean with cleaner according to MSDS of materials used.**
- 4. This procedure will result in the follow regulated waste which must be disposed of in compliance with environmental regulations



General information

The Programmable Electric oven is ideal for general drying, and both complex and simple curing processes. This oven has the capability to compile various programs regarding curing temperatures, ramp rates, and times. The program number can be selected according to user requirement. The maximum achievable temperature in this oven is 500° F.

Specifications:

- Maximum Temperature: 500⁰ F
- Maximum Voltage: 230
- Phases: 1
- Frequency: 60
- Total FLA: 46
- Rated Heat Input: 9 KW
- FLA: 4.2

