

Standard Operating Procedure

Title: SOP-013 UV Curing Station

PI: Art Erdman **Lab Location:** Mayo G217

Issue Date: 7/9/13 **Revision Date:** 5/1/14

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Hazard Identification:

Physical Danger

Exposure Assessment:

Light

- Lighting Elements
The UV Carrying Station emits a large amount of UV light which can cause serious harm to the eyes.

Control Plan:

- Read and become familiar with machine's operating procedures before operating
- Never look straight at the UV light for any reason
- Wear the UV filter safety glasses provided
- Always know where the light is pointing when operating this machine
 - Never point the light near someone's eyes while operating this machine
 - Keep the light pointing away from the general lab space where others may be
- Always know where the power *off* switch is located in case of emergency
- Always turn switch to *off* position when not operating machine
- Always disconnect the machine from the power source before servicing, repairing, or making any adjustments
- Do not wear gloves, necktie, jewelry, or loose clothing, as they could get caught in the rotating elements of the fans on the handheld device
- Tie up long hair or wear protective hair covering to prevent hair from getting caught in the rotating elements of the fans on the handheld device
- Always hold the handheld light source firmly
- Stop use (including powering down the device) and notify a Lab Supervisor if the fault light turns on

Experimental Procedures:

- Put on all safety equipment and tie back loose hair or clothing before operating
- Check to make sure all parts of machine are working and functioning properly

- Make sure handheld light is held firmly and is not pointing near anyone's face
- Set up work piece for operation with UV carrying station
- Put on UV filter safety glasses
- Turn on UV light on Controller station
- When finished, turn off UV light immediately
- Unplug the machine and put it and other equipment in the appropriate location
- Clean workspace as needed

For other inquiries, see the User Manual in Appendix.

Waste Management Procedures:

When finished with this machine, always clean the area if necessary. Paper towels and cleaning solution can be found in G217-11.

Place all materials back in the appropriate place.

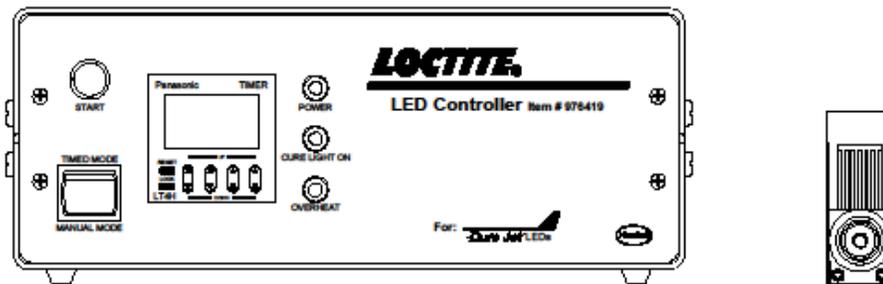
Spill and Accident Procedures:

If an accident occurs, report immediately to the lab supervisor (G217-05) or other appropriate staff member. If no one is around, dial 911 on the landline phone near the door of G217-11 to reach the campus police. The lab first aid kit is located on the wall near the sink. A first aid pamphlet from DEHS is located in all of the MDC's first aid kits.

Appendix:



**EQUIPMENT
Operation Manual**



Loctite® Cure Jet™ LED System

For Use With:
Part Number 976419, LED Controller
Part Number 976420, Cure Jet™ 405
Part Number 976418, Cure Jet™ Indigo™

