

UNIVERSITY OF WASHINGTON LOCKOUT TAGOUT (LOTO) PROCEDURE

(WAC 296-803)

DESCRIPTION:						
University of Washington Department/Division:	Building/Address:					
Paul G. Allen School of CSE	Bill & Melinda Gates Center for CSE					
Equipment ID: 2037484	Equipment/System Description: Medium Laser Cutter, 80W CO2					
Location: CSE2 G15A	Procedure last updated: 2022.12.19					
PURPOSE: (WAC 296-803-20005) This procedure establishes the minimum requirements necessary to protect employees from injury caused by the unexpected energization, start up, or release of stored energy during service or maintenance. Use this procedure to make sure the machine or equipment is stopped, isolated from all potentially hazardous energy sources, and locked out before any employee begins work						
AUTHORIZATION : (WAC 296-803-20005) List any authorized persons authorized to lock and tag out the machi	ine or equipment using this procedure:					
Alexander Lefort, Fabrication Research Lab Manager						
SCOPE: (WAC 296-803-20005)						
Provide a description of the scope of work for this service or mainten	ance work (include the work order #):					
Laser repairs Laser maintenance (i.e. lubrication, alignment, bulb change, cleaning)						
NOTIFY: (WAC 296-803-20010) Notify all affected employees that the machine or equipment is to be	shut down and locked out for service or maintenance:					
Name/Job Title: Notification Method:						
Listserv	Email					
Lab Personnel	Sign posted on equipment					
NORMAL SHUTDOWN : (WAC 296-803-20010) Shut down the machine or equipment by normal stopping procedures (such as depressing a stop button, opening switches, or closing valves). List the types and locations of machine or equipment operating controls:						
Shutdown Method:	Location:					
Ensure power button has been switched to off position.	utton has been switched to off position. Back of machine case, on top of laser tube housing.					

ISOLATE AND LOCKOUT: (WAC 296-803-20001)

Isolate energy sources using appropriate isolating devices. Lock and tag out the energy isolating devices with assigned individual locks and tags:

WARNING: The following are the known lockout steps. If additional steps are discovered, inform your supervisor, lock them out, and modify this procedure accordingly.



I	Energy	source	and	mac	ınitud	de:
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Type of energy source: Electrical

Magnitude:

120V

Energy Isolating Device Location:

Power cord, coming from back of unit.

Isolation device/procedure:

Ensure power switch is in the off position. Unplug the power cord from the wall receptacle behind the machine.

Control Method: Lock/Tag Info (Initial and Date)

Apply cord cap to cord end using the cap-attached diagram for proper fitting and lock in the closed position around the cord with LOTO hasp.

Method to relieve residual/stored energy:

N/A

Verification Method:

Attempt to switch the machine on via power button. Then ensure button returns to the off position.

Restored by: (Initial and Date):

Energy source and magnitude:

Type of energy source:

Magnitude:

Energy Isolating Device Location:

Isolation procedure:

Control Method: Lock/Tag Info (Initial and Date)

Method to relieve residual/stored energy:

2

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		Restored by: (Initial and Date):	
3		Energy source and magnitude:	
		Type of energy source:	
		Magnitude:	
		Energy Isolating Device Location:	
		Isolation device/procedure:	
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	(portrait photo only)	Control Method: Lock/Tag Info (Initial and Date):	
		Method to relieve residual/stored energy:	
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		Magnitude:	
		Energy Isolating Device Location:	
		Isolation device/procedure:	
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	(portrait photo only)		
		Control Method: Lock/Tag Info (Initial and Date)	
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		Type of energy source:		
		Magnitude:		
		Energy Isolating Device Lo	cation:	
		Isolation device/procedure:		
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(portrait photo only)		Control Method: Lock/Tag	g Info (Initial and Date)	
		Method to relieve residual,	/stored energy:	
		Verification Method:		
		Restored by: (Initial and Do	ate):	
GROUP LOTO : (WAC 296-803-50050) Determine which procedures to use if more than one	a parsan will be involved in t	ha LOTO procedure:		
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Will more than one person will be invo	<u>-</u>	•		
If you select NO, group LOTO will not be used, skip to next section		☐ YES	⊠ NO	
If you select YES, a group LOTO <u>will</u> be used, and method below	d describe your group LOT	0		
Choose a group LOTO method:				
☐ A hasp will be used for this procedure				
A lock box will be used for this procedure	Lock Box Identification #:			
A Primary Authorized Person	Name:			
	Name:			
During shift or personnel changes, make sure there is o	continuous LOTO protection an	d record the new PAP and date	each time there is a change.	

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THE MACHINE OR EQUIPMENT IS NOW LOCKED OUT AND SERVICE OR MAINTENANCE CAN BE DONE

RESTORE: (WAC 296-803-50035)

Restore the machine or equipment to service after the service or maintenance is completed.

- **Step 1:** Check the machine or equipment and the immediate area around it to make sure all non essential items have been removed and that the machine or equipment is in operating condition and ready to energize.
- **Step 2:** Make sure all employees are safely positioned for starting or energizing the machine or equipment.
- **Step 3:** Verify that the controls are in neutral.
- **Step 4:** Remove the lockout devices and reenergize the machine or equipment.

Note: Some forms of blocking may require re-energization of the machine before they can be safely removed.

Step 5: Notify affected employees that the servicing or maintenance is completed and the machine or equipment is ready to use.

Revised January 2018

Questions? Contact ehsdept@uw.edu