<b>Effective:</b>	JOB SAFETY ANALYSIS	DEPT:	LOCATION:	JOB TYPE:
2/23/2018		CNS	Center for Neuroscience	Shop Worker
JOB	POTENTIAL HEALTH OR	SAFE PRACTICE	, OR EQUIPMENT	PERSONAL PROTECIVE
FUNCTION	INJURY HAZARDS			EQUIPMENT (PPE)
Instructions for use of all tools- Preparation	<ul><li>Trips/Falls</li><li>Flying Parts</li><li>Bodily Injury</li></ul>	<ul><li>Make sure are</li><li>Secure and tig starting.</li><li>Use proper to</li></ul>	ghten all parts before ol accessories. olace any broken or	<ul> <li>Long pants, Non-slip, Closed-Toe Shoes</li> <li>Dust Mask</li> <li>Goggles/Safety Glasses</li> <li>Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment.</li> </ul>
Instructions for use of all tools- Use	<ul> <li>Fires or Electrical Shocks</li> <li>Tangled Parts</li> <li>Bodily Injury</li> <li>Eye Injury</li> <li>Back Strain</li> </ul>	<ul> <li>atmospheres.</li> <li>Grounded too properly instal</li> <li>Do not force pif it won't fit.</li> <li>Avoid body consurfaces.</li> <li>Don't expose conditions.</li> <li>Disconnect the before making changing accession on the property of the propert</li></ul>	Is must be plugged into led grounded outlets. colarized plugs into an outlet entact with grounded power tools to rain or wet e plug from power source grany adjustments or essories. Cose clothing or jewelry.	<ul> <li>Long pants, Non-slip, Closed-Toe Shoes</li> <li>Dust Mask</li> <li>Goggles/Safety Glasses</li> <li>Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment.</li> </ul>

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FUNCTION	INJURY HAZARDS			EQUIPMENT (PPE)
Instructions for use of all tools- After Use	<ul><li>Bodily Injury</li><li>Electrical Shocks</li></ul>	<ul><li>Lubricate tool</li><li>Use air componecessary.</li></ul>	utting edges clean. , if necessary. ression to clean tool, if ools in an area where water	<ul> <li>Long pants, Non-slip, Closed-Toe Shoes</li> <li>Dust Mask</li> <li>Goggles/Safety Glasses</li> <li>Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment.</li> </ul>

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General machining and metal fabrication processes using stationary machine tools; (lathe, mill, drill press, and grinders)

- Cuts, contusions, lacerations, from contact with point of operation or associated flying materials from work part.
- Hearing damage from audible noise above 90dB at a sustained level:

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Hours per day	Sound level		
8	90dB		
6	92dB		
4	95dB		
3	97dB		
2	100dB		
1.5	102dB		
1	105dB		
.5	110dB		
.25 or less	115dB		

- Students, staff, and faculty using the machine shop must have prior authorization and complete the CNS machine shop safety online training. Go to this link for training, <a href="https://cnssafety.ucdavis.edu/machine-shop-safety">https://cnssafety.ucdavis.edu/machine-shop-safety</a>
- Use tools according to manufacturer's recommendation.
- Understand use of tools and procedures before commencing work.
- Use correct tool for the job and ensure that tools are in good condition before starting work.
- Report any defect tool or machine to Safety Manager.
- Use the guarding systems and shields.
- · Do not defeat guarding systems

- Long pants, Non-slip, Closed-Toe Shoes
- Dust Mask
- Goggles/Safety Glasses
- Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment.
- Wear hearing protection.

Effective: 2/23/2018	JOB SAFETY ANALYSIS	DEPT: LOCATION: CNS Center for Neuroscience	JOB TYPE: Shop Worker
JOB FUNCTION	POTENTIAL HEALTH OR INJURY HAZARDS	SAFE PRACTICE, OR EQUIPMENT	PERSONAL PROTECIVE EQUIPMENT (PPE)
Grinding	<ul> <li>Metal dust, silica dust</li> <li>Noise</li> </ul>	<ul> <li>Use tools according to manufacturer's recommendation.</li> <li>Understand use of tools and procedures before commencing work.</li> <li>Use correct tool for the job and ensure that tools are in good condition before starting work.</li> <li>Report any defect tool or machine to Safety Manager.</li> </ul>	<ul> <li>Long pants, Non-slip, Closed-Toe Shoes</li> <li>Use dust masks or respirators as appropriate.</li> <li>Goggles/Safety Glasses and Face Shields.</li> <li>Remove jewelry from hands and neck, tie back hair, roll up long sleeves and secure any other loose clothing that could potentially get caught in moving equipment.</li> <li>Wear hearing protection.</li> <li>Use ear protection</li> </ul>
Exposure to cutting fluid and fumes	<ul><li>Dermatitis</li><li>Inhalation hazard</li></ul>	<ul> <li>Limit skin exposure and wash affected area with soap and water.</li> <li>Use ventilation when operation generates fumes.</li> </ul>	May require use of a respirator. Please vist the informational link on the respirator fit program at <a href="http://safetyservices.ucdavis.ed">http://safetyservices.ucdavis.ed</a> u/article/respiratory-protection-program
Use of oils and lubricants	<ul> <li>Spontaneous combustion from wiping cloths saturated with oil</li> <li>Slip hazard from spilled oil and cutting fluids</li> </ul>	<ul> <li>Dispose of oily cloths in safety can.</li> <li>Keep work area clean.</li> <li>Keep away from ignition sources.</li> <li>Keep fire extinguishers up to date.</li> <li>Store in flammable cabinets</li> </ul>	Consult SDS's for details on recommended PPE.

Effective: 2/23/2018 JOB FUNCTION	JOB SAFETY ANALYSIS  POTENTIAL HEALTH OR INJURY HAZARDS	DEPT: CNS SAFE PRACTICE	LOCATION: Center for Neuroscience , OR EQUIPMENT	JOB TYPE: Shop Worker PERSONAL PROTECIVE EQUIPMENT (PPE)
Use of hand tools	Cuts, abrasions, contusions from contact with point of operation	1	er tool for the job tools to the Facility/Safety	<ul> <li>Wear safety glasses and face shields if there is a risk of flying debris.</li> <li>Consult equipment user guides for any other PPE recommendations.</li> </ul>
Hazardous materials	<ul> <li>Fumes from solvents, paint</li> <li>Fumes and particulates from epoxy composite fabrication</li> </ul>	<ul> <li>SDS's.</li> <li>Use adequate</li> <li>Keep away from</li> <li>Use approved and medical end</li> <li>Keep fire extine</li> <li>Cover expose sanding epoxy</li> <li>Store in flamm</li> <li>Dispose waste</li> </ul>	om ignition sources. I respirator; training class exam required before use. Inguishers up to date. Industrial description of the contract of t	<ul> <li>Observe recommended use of PPE from SDS's for chemical being used.</li> <li>Consult Safety Net #50- Guidelines for the Selection of Chemical Resistant Gloves.</li> </ul>