

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

DEPARTMENT OF MECHANICAL ENGINEERING

OPERATING A TABLE SAW

TASK	HAZARDS	CONTROLS
1. Assess work area; is it clear of obstructions and slip/trip/fall hazards?	<ul style="list-style-type: none">Slip, trip, or fall	<ul style="list-style-type: none">Clear work area of any obstructions or slip/trip/fall hazards
2. Adjust the fence to the desired cut width, adjust the blade height, and adjust the angle of the blade	<ul style="list-style-type: none">Pinching hazards to hands/fingersAccidentally turning on saw	<ul style="list-style-type: none">Keep hands and fingers clear of pinch pointsPower to the saw should be off until all of the blade and fence adjustments have been made and the saw is ready to be operated.Ensure blade guard is properly covering the blade
3. Turn on dust collection	<ul style="list-style-type: none">Excessive noise levels	<ul style="list-style-type: none">Wear ear plugs/muffs if necessary
4. Start the saw	<ul style="list-style-type: none">Projectiles from rotating blade	<ul style="list-style-type: none">Visually verify that no wood or other debris is around the blade or in the path of the stock. Turn off the saw and remove debris once the blade has come to a stop if necessary.

<p>Other Information: Contributors: Created: Updated: JSA Library Number:</p>	5. Perform the cut	<ul style="list-style-type: none"> • Projectiles from the rotating blade • Lacerations to fingers/hands from the rotating blade • Kickback • Eye injury from flying debris • Activating the blade stop from wet wood or other conductive materials • Excessive noise levels • Particulate generated from sawing is hazardous when breathed by operator 	<ul style="list-style-type: none"> • Ensure blade guard is properly covering the blade. Check the material for fasteners and remove any that are present. • Always use a push stick to keep hands free from the rotating blade • Always use the fence or the miter gauge to feed material into the blade. Never free hand a cut. Never use the fence AND the miter gauge simultaneously. If the piece is large and unwieldy, ask for assistance. Ensure a riving knife is always installed. • Always wear safety glasses when operating equipment • Test the conductivity of the material before starting the saw • Wear ear plugs/muffs if necessary • Wear an approved N95 mask when cutting materials
	6. Turn off saw and dust collection	<ul style="list-style-type: none"> • N/A 	
	<p>Required Training: Student Shop Safety Training Program Must complete additional training under guidance of a qualified Student Shop Laboratory Mechanician</p>	<p>Required Personal Protective Equipment (PPE) Safety glasses, ear plugs/muffs, N95 mask</p>	
	<p>SawStop Table Saw Manual ME Pro Shop; Scott G. McCormick; R&D Engineering Manager, Jacob Gallego; Principal Lab. Mech. 2007 July 2020 (EH&S will insert number here, if applicable)</p> <p>For more information about this JSA, contact the <i>Office of Environment, Health and Safety</i> at UC Berkeley, 317 University Hall #1150, Berkeley, CA 94720-1150 (510) 642-3073 • http://www.ehs.berkeley.edu</p>		