

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

DEPARTMENT OF MECHANICAL ENGINEERING

OPERATING A FOOT-OPERATED SHEAR

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. Align material to fence and blade	<ul style="list-style-type: none">Lacerations to fingers/hands on materialPinching hazards for hands/fingers	<ul style="list-style-type: none">Deburr material before handling, do not slide hand along edges, wear leather gloves if necessaryKeep hands and fingers away from pinch points
3. Depress foot treadle	<ul style="list-style-type: none">Pinching hazards for leg and footMuscle strainPinching hazards for hands/fingersLacerations to fingers/hands on bladeShattering material may cause damage to eyes	<ul style="list-style-type: none">Keep leg and foot free from support armsPosition body to maintain balance, maximize use of legs to avoid twistingKeep hands/fingers away from finger guards and material holddownsKeep hands/fingers well behind the cutting bladeAlways wear safety glasses when operating equipment
4. Retrieve material	<ul style="list-style-type: none">Lacerations to fingers/hands from material	<ul style="list-style-type: none">Be aware of fresh sharp edges, deburr material, do not slide hand along edges, wear gloves if necessary

Other Information: Contributors: Created: JSA Library Number:	Required Training: Student Shop Safety Training Program Must complete additional training under guidance of a qualified Student Shop Laboratory Mechanician	Required Personal Protective Equipment (PPE) Leather gloves, safety glasses
	Pexto 137-K Foot Shear Manual Scott G. McCormick; R&D Engineering Manager, Jacob Gallego; Principal Lab. Mech. July 2020 (EH&S will insert number here, if applicable)	
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