JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

DEPARTMENT OF MECHANICAL ENGINEERING
OPERATING A BELT SANDER

TASK	HAZARDS	CONTROLS
1. Assess work area; is it clear of obstructions and slip/trip/fall hazards?	• Slip, trip, or fall	• Remove any obstructions or slip/trip/fall hazards. Maintain a dry floor.
2. Turn on belt sander	• Flying dust and debris in eyes • Laceration or abrasion to hands/fingers • Excessive noise levels	• Wear safety glasses at all times • Keep hands free from moving belt and ensure safe guards are in place • Wear hearing protection if necessary
3. Align material with belt sander	• Muscle strain • Laceration or abrasion to hands/fingers	• Position body to maintain balance, avoid twisting and overextending, and ask for assistance with heavy or awkward workpieces • Do not hold sharp edges on material, keep hands and fingers away from moving belt
4. Angle metal to make contact with the belt sander	• Laceration or abrasion to hands/fingers • Flying dust and debris in eyes • Belt breaking • Burns from material heating up	• Keep hands free from moving belt and ensure safe guards are in place • Wear safety glasses at all times • Control amount of pressure exerted on belt, never angle parts upward when sanding, avoid sanding in one place. • Use a container of water to cool parts when sanding. **Never wear gloves when sanding.**

	Required Training:	**Required Personal Protective Equipment (PPE)**
	Student Shop Safety Training Program (*Phase 1*)	Safety glasses, ear plugs/muffs
Other Information:	[Delta Belt Sander Manual](), [Powermatic Belt Sander Manual](), [Dayton Belt Sander Manual]()	
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