

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

DEPARTMENT OF MECHANICAL ENGINEERING OPERATING A VERTICAL BAND 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. Align materials flat on the table | <ul style="list-style-type: none">Pinching hazards for hands/fingersLacerations to hands/fingers from materialMuscle strain | <ul style="list-style-type: none">Keep hands and fingers away from pinch pointsDeburr material prior to handling, wear gloves only when loading/unloading materialPosition body to maintain balance, avoid twisting and overextending, and ask for assistance with heavy or awkward workpieces |
| 3. Adjust and position blade guard to no more than ¼” above the top surface of the material | <ul style="list-style-type: none">Pinching hazards to hands/fingers | <ul style="list-style-type: none">Avoid pinch point between guard and housing and between guard and material |
| 4. Begin sawing | <ul style="list-style-type: none">Lacerations to hands/fingers from moving bladeEye injury from flying debrisExcessive noise levelsBurns from overheated materialsEntanglement of operator | <ul style="list-style-type: none">Keep hands/fingers well away from moving blade, use push stick/miter gauge/vise for small materialsAlways wear safety glasses when operating machineWear hearing protection if necessaryUse wax to lubricate the blade and reduce frictionNever wear loose clothing when operating, tie hair back, tuck in drawstrings |

| | | |
|--|--|--|
| Other Information: Contributors: Created: JSA Library Number: | Required Training: Student Shop Safety Training Program (<i>Phase I</i>) | Required Personal Protective Equipment (PPE) Leather gloves, safety glasses, ear plugs/muffs |
| | <p> DoAll ML-3801 V. Band Saw Manual, DoAll V-26 V. Band Saw Manual, Delta 28-365 V. Band Saw Manual, Delta 28-207 Band Saw Manual Scott G. McCormick; R&D Engineering Manager, Jacob Gallego; Principal Lab. Mech. 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> | |