



PPE Required: Safety Glasses and Face Shield

Prohibited Clothing: gloves, loose clothing, neckties, jewelry

Machine Access Level: Supervised Only

Materials Allowed: wood, plastics, composites

Note: no metal of any kind can be cut on this machine!!

Operating Procedure

1. Machine Safety Inspection and Work Area Check-Out

- A. **PPE:** make sure you are wearing the proper PPE and not wearing any equipment listed on the first page that could get caught in the saw.
- B. **Machine Warning Signs:** make sure you read and follow the machine warning signs that are attached near the machine. If you have any questions, ASK!!
- C. **Work Area:** the machine is typically stored in an area out of the way. Ask the TA where to move the machine for operation. Make sure the work area is clean and the work area is free and clear of debris and personnel.

2. Work Supervision

- A. **Supervision required:** this machine requires supervision by an AFL employee. A Supervisor or TA will assist you in the set-up and operation of the machine. **You may not operate this machine without supervision.**

3. Machine Adjustment

- A. **Note:** the machine adjustment is to be done with the machine **OFF!**
- B. **Install dust collection hose:** once machine is moved into location, connect the shop vacuum to the dust spout as directed by the TA.
- C. **Blade installation check:** make sure the proper saw blade is installed for the type of cutting you are performing. Check that the blade is installed properly. The TA will assist you with this step.
- D. **Adjust miter angle:** when applicable, adjust the miter angle of the saw to the angle required. **Make sure the miter lock handle is engaged.** The TA will assist you with this step.
- E. **Adjust bevel angle:** when applicable, adjust bevel angle of the saw to the angle required. **Make sure the bevel lock handle is engaged.** The TA will assist you with this step.
- F. **Other saw adjustments:** this saw has several other adjustments that may need to be made depending on the application. The TA will assist you with this step.
- G. **Determine if clamping is required:** In certain applications, clamping of the part to the table or stand may be required. The TA will assist you with this step.
- H. **Identify the machine controls:** identify the trigger switch located in the operating handle. The trigger switch starts and stops the saw blade.

4. Machine Operation

- A. **Dust collection system check:** verify with the TA that the vacuum is ON and connected to the saw before starting.
- B. **Determine if saw is ready to be turned on:** check with the TA that it is safe to operate the machine. Do not operate this saw without being instructed that it is safe to do so.
- C. **Safely cut the part:** **Go slow! Always keep hands and fingers away from the cutting area.** As this machine can do several different types of cutting, the TA will instruct you on the proper instructions for your application.
- D. **Turn the machine off:** when finished cutting, release the trigger switch to turn the machine off. Let the saw blade come to a stop. **Never touch the moving saw blade.**

5. Clean Up

- A. **Disassemble work set-up:** disassemble any fixturing, clamps, etc. used in the cutting operation. Return all parts to their proper location and the appearance of the saw to how it looked before you started.
- B. **Return saw to storage location:** disconnect the shop vacuum and return the saw and vacuum to the location specified by the TA.
- C. **Clean up the area:** clean up all messes (for example: use a shop vacuum to clean up any additional saw dust), return all tools, etc. The TA will check that the area is clean before you can sign-out of the AFL.