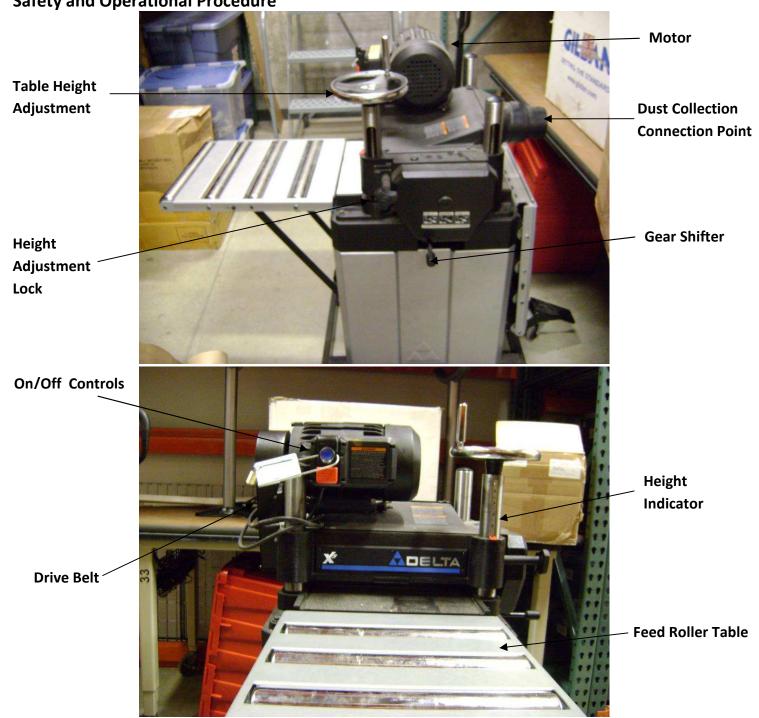
Armstrong Hall of Engineering Artisan and Fabrication Laboratories (AFL) Safety and Operational Procedure

Delta Planer



PPE Required: Safety Glasses, Leather Apron, Face Shield

Prohibited Clothing: gloves, loose clothing, neckties, jewelry

Machine Access Level: Supervised Only

Materials Allowed: Wood Only

Note: No metal of any kind can be cut using this machine!!

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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 second page that could get caught in the blades.
- B. **Machine Warning Signs:** Make sure you read and follow the machine warning signs that are attached to the machine. If you have any questions, ASK!!
- C. Work Area: Make sure the work area is clean and the work area around the machine is free and clear of debris and personnel.

2. Work Supervision

A. 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. **Check blade condition:** Make sure the blade is in good shape. The TA will assist you with this step. If the blade appears dull, see the AFL supervisor.
- C. **Secure the part:** Make sure the work is supported on both ends. Do NOT let the end you are cutting off fall on the floor or your foot.
- D. **Adjust height indicator:** When applicable, adjust the height indicator to desired work piece thickness. The TA will assist you with this step. A cutting pass should be no greater than 1/16" per pass.
- E. **Identify the machine controls:** Identify the red stop button and the blue start button. These controls start and stop the planer.

4. Machine Operation

- A. **Dust collection system check:** Verify with the TA that the dust collection system is ON before starting the machine.
- B. **Turn the machine on:** Check with the TA that it is safe to turn on the machine, and push the blue start button when instructed to do so.
- C. Safely cut the part: Go slow! Always keep hands and fingers away from the cutter head. Use a push block whenever possible. Ask the TA for help.
- D. **Turn the machine off:** When finished with the cut, push the red stop button to shut the machine off. Allow time for the cutter head to stop. DO NOT USE YOUR HAND TO STOP THE BLADES!

5. Clean Up

- A. **Disassemble work set-up:** Disassemble any fixturing used in the process. Return the appearance of the planer to how it looked when you started.
- B. Clean up the area: Clean up all messes (for example: wipe down conveyors and press table) and return all tools, etc. The TA will check that the area is clean before you can sign-out of the AFL.

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