

## SCC CMA Training Curriculum

### Belt and Disk Sander

Objectives: Upon completion the User will be able to operate the Belt / Disk Sander in a safe manner. User will be able to replace the belt as needed.

Time required: for a group of 8 users or less it should take about 20 minutes to deliver this material. This allows for quick user interaction with the machine, but no actual practice time.

#### Outline:

1. Safety
  - a. Clean work area
  - b. PPE / loose clothing / jewelry / hair
  - c. NO GLOVES!!
  - d. Buddy Requirement
  - e. Only 1 person operates the machine
  - f. Workpiece holding
  - g. Spark containment
  - h. Sign into SUMS kiosk
2. Machine Anatomy / Parts
  - a. Abrasive Belt
  - b. Platen
  - c. Belt Table
  - d. Abrasive Disk
  - e. Disk Table
3. Machine Controls
  - a. Power switch
  - b. Belt Tracking
  - c. Belt Tension
  - d. Table angle clamps (both)
4. Grinding / Deburring Techniques
  - a. Never approach the belt with a corner pointed against belt travel – exploded belt!
  - b. Rest material on table
  - c. Adjusting the tables
  - d. Adjusting the tracking
5. Changing the belt
  - a. UNPLUG THE MACHINE

- b. Remove top cover by unscrewing hand nut and lifting off. Do not lose the washer
- c. Remove side cover by removing 2 machine screws
- d. Loosen belt until slack, then slide off
- e. Slide new belt on and center on platen. Make sure to follow direction arrows if belt is marked (it's on the inside!)
- f. Tension Belt.
- g. Re-install side cover, make sure it goes into the slot at the bottom
- h. Install top cover
- i. Plug machine in
- j. Loosen the jamb nut on the tracking control
- k. Bump the power on and adjust tracking to keep belt centered.
- l. Tighten jamb nut on tracking