

## SCC CMA Training Curriculum

### Horizontal Band Saw

Objectives: Upon completion the User will be able to operate the Horizontal Band Saw in a safe manner. User will be able to replace the blade 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 / no gloves
  - c. Buddy Requirement
  - d. Only 1 person operates the machine
  - e. Workpiece clamping
  - f. Handling blades
2. Machine Anatomy / Parts
  - a. Table / vise
  - b. Blade
  - c. Blade guides
3. Machine Controls
  - a. Power switch
  - b. Lowering Speed Adjuster
  - c. Coolant Pump
  - d. E-Stop
  - e. Blade Tension Crank
4. Cutting Techniques
  - a. Feeds and Speeds – how feed rate affects cut quality and angle
  - b. You must have the material securely clamped
  - c. How to cut a miter
  - d. Cutting stock shorter than the vise jaws
  - e. Adjusting the blade guides
5. Changing the blade
  - a. UNPLUG THE MACHINE (it's a twistlock)
  - b. Open both blade access doors and flip extra blade guard up
  - c. Loosen the blade tension crank until the blade will lift off (had protection)
  - d. Slide new blade into place making note of tooth direction

- e. Make sure blade is in place in both guides, then tension with the crank
- f. Close and latch all doors, plug in, and test to make sure blade runs properly before using