## IOWA STATE UNIVERSITY

OF SCIENCE AND TECHNOLOGY

### **Vertical Bandsaw**

| Description       | Vertical Bandsaw                                     |
|-------------------|--|
| Size / Horsepower | 14" / 1.5 HP   |
| Power source      | 120 Volts  |
| Uses              | Cutting wood, metal, and other material of this type |

#### **Safety Precautions**

| Hazards                              |            |          |
|--------------------------------------|------------|----------|
| Flying debris (potential eye damage) | Start/Stop | 1        |
| Electrical shock                     | Switch     | . 18     |
| Amputation                           |            |          |
| Entanglement of hair or clothing     | <b>•</b>   |          |
|                                      |            |          |
| Training                             |            |          |
| Shop Safety Fundamentals             |            |          |
| Site Specific Training               |            |          |
|                                      |            |          |
| Protective Equipment                 |            |          |
| Safety glasses                       |            |          |
| Hearing protection                   |            | El su el |
| Avoid loose fitting clothing         |            |          |
| Tie back long hair                   |            | 1        |
|                                      |            |          |
|                                      |            |          |

#### Operation

Startup

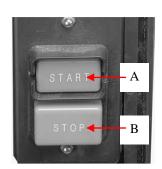
- 1. Put on PPE listed above
- 2. Ensure work area is clean and free of obstacles
- 3. Ensure that the top guide is within 1/8" of the work piece
- 4. Make necessary adjustments for safe operation
- 5. Inspect the saw for damage or obstructions to operation
- 6. Turn "ON" the saw by pushing the start button (Å)
- 7. Begin work
- 8. Slowly feed work piece towards the saw blade, avoid feeding material too quickly
- 9. Keep hands clear of saw blade, use push sticks when needed

#### Shutdown

- 1. Turn "OFF" the saw by pushing the stop button (B)
- 2. Allow the blade to come to a complete stop on its own
- 3. Remove work piece from tabletop

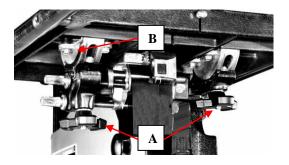
#### Table Tilt

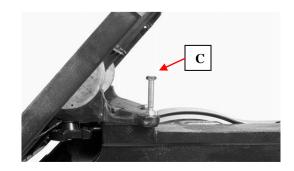
- 1. Table can be tilted 45° to the right and 10° to the left
- 2. To tilt the table to the right, loosen the two locking knobs (A), tilt the table to the desired angle as shown on the scale (B)
- 3. To tilt the table to the left, loosen the two locking knobs (A) and tilt the table to the right until you have access to the table stop (C). Remove the table stop and tilt the table to the left to the desire angle as shown on the scale (B)
- 4. Tighten the two locking knobs



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Changing Blades – Performed by Authorized Personnel Only Blade Tension – Performed by Authorized Personnel Only Blade Tracking – Performed by Authorized Personnel Only

#### Maintenance

| Storage     |  |  |
|-------------|--|--|
| Care        | Clean off saw after you are done using. Always use a sharp blade.    |  |
|             | <ul> <li>Keep the miter slot and guide bearings clean</li> </ul>     |  |
|             | <ul> <li>Check drive belt periodically for wear or damage</li> </ul> |  |
|             | <ul> <li>Remove all deposits from the band wheels</li> </ul>         |  |
|             | Clean out dust from inside cabinet                                   |  |
| Accessories | Miter Gauge  |  |