# IOWA STATE UNIVERSITY

OF SCIENCE AND TECHNOLOGY

# **Belt Sander**

Description	Belt Sander
Size / Horse power	1" Belt / 1/4 HP
Power source	120 volts through plugged power cord
Uses	Sanding of wood and metal

## **Safety Precautions**

Hazards
Abrasions
Flying debris (potential eye and face damage)
Entanglement of hair, jewelry, or clothing
Fire risk
Training

Shop Safety Fundamentals Site Specific Training

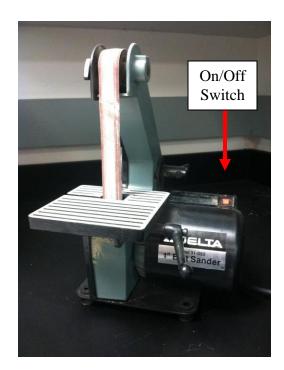
## **Protective Equipment**

Safety Glasses

Tie back long hair

Avoid loose fitting clothing

Remove rings, watches, bracelets, and other such jewelry



# Operation

Startup

- 1. Put on PPE listed above
- 2. Ensure work area is clean and free of obstacles
- 3. Ensure table is present and functions properly
- 4. Make necessary adjustments for safe operation
- 5. Inspect machine for damage or obstructions to operation
- 6. Turn on sander using power switch located on top of the switch box (A)
- 7. Begin work
- 8. Slowly press work piece against belt, avoid feeding material too quickly
- 9. Keep hands clear of sanding surfaces

#### Shutdown

- 1. Remove work piece
- 2. Turn off sander by using the power switch
- 3. Allow sander to stop on its own, do not leave the sander until it has come to a complete stop

#### Belt Table Adjustment

- 1. Loosen the locking lever (C)
- 2. Adjust table until desired angle is met
- 3. Tighten locking lever to secure table before use
- 4. Attempt to move the table to ensure it has been secured



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#### Installing and Tracking Abrasive Belt – Performed by Authorized Personnel Only

Tracking the Belt – Performed by Authorized Personnel Only

### Maintenance

Storage	
Care	<ul> <li>Wipe the machine down after each use</li> <li>Keep exposed metal surfaces clean and rust free</li> <li>Make periodic inspection of the operation of the machine</li> </ul>
Accessories	