Oscillating Spindle Sander (Delta B.O.S.S.)

- Delta B.O.S.S. Bench Oscillating Spindler Sander

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1. General Info

Purpose:
Designed for freehand sanding of wood, especially for creating round or organic profiles.

> Delta Bench Oscillating Spindle Sander.pdf

Key Components:

- Sanding Guard – Protects user from direct contact with spindle base.
- On/off – Controls on/off of machine.
- Table – Provides stable surface for material support.
- Dust Collection Port – Connects to vacuum system.

2. Safety

Quick Safety Precautions:

- Wear Eye Protection – Safety glasses required; face shield recommended.
- Avoid Loose Clothing – Tie back hair; remove jewelry.
- Keep Hands Clear – Never reach near or over a moving spindle.
- Avoid awkward hand positions where a sudden slip could cause a hand to move into the spindle.
- Never Leave Running Sander Unattended – Wait for full stop before walking away.
- Avoid sanding unstable material.
- Use proper technique to prevent kickback.
- Keep hands and fingers away from spindle.

3. Setup & Use

Preparation

- Wear safety glasses and hearing protection.
- Use the correct spindle size for your material. Ask MCSS or Manufacturing Center Staff for assistance otherwise.

- Ensure the work area and table are clear of obstructions.
- Support both the finished piece and excess material. Ensure both sides of the object are stable and won’t fall or shift unexpectedly.

Operation

- Press the start button to power the spindle.
- Allow spindle to reach full speed.
- Stop immediately if you hear abnormal sounds or vibrations.
- Place the material on the table.
- Feed it into the spindle with a smooth, steady motion.
- Use rubber stick to clean grit of sandpaper to extend longevity

Post Operation

- Clean work area.
- Inspect spindle and machine for wear or damage, tell MCSS or MC staff or if you notice any defects in the spindle.

4. Maintenance Schedule

Weekly:

- Clean sawdust and metal shavings from vents and moving parts.
- Check spindle for tears or damage.
- Inspect power cord and switches.

Monthly:

- Tighten bolts and fasteners.

Quarterly:

- Deep clean motor housing and table surface.
- Inspect inverter and speed control system.
- Replace sandpaper if performance is reduced.
- Review user manual for updates or recalls.