Vertical Bandsaw (Baileigh BSV-24VS)

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1. General Info

Purpose:
Designed for industrial-grade vertical cutting of metal, wood, and plastic. Ideal for fabrication shops and metalworking applications. Features variable speed control and blade welding capabilities.

> BaileighVerticalBandsawUsersGuide.pdf

Key Components:

- Blade Guard – Protects user from direct contact with blade.
- Control Panel – Includes power switch, speed control, and digital readout.
- Stop Button – Immediately halts blade operation.
- Table – Provides stable surface for material support.
- Rip Fence – Adjustable for straight cuts.
- Blade – Accepts blades from 1/8” to 5/8” wide.
- Motor Housing – Contains 2HP motor and drive system.
- Base Mounting Holes – For bench or floor attachment.
- Blade Welder – Allows blade cutting and rejoining.
- 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 blade.
- Avoid awkward hand positions where a sudden slip could cause a hand to move into the blade.
- Check Blade Guard – Ensure free movement and coverage.
- Never Leave Running Saw Unattended – Wait for full stop before walking away.
- Never reach over or behind the blade while it is running.
- Avoid cutting warped or unstable material.
- Use proper technique to prevent kickback.

- Do not operate without blade guard in place.
- Keep hands and fingers away from blade path.

3. Setup & Use

Preparation

- Wear safety glasses and hearing protection.
- Use the correct blade for your material and cut type. Ask MCSS or Manufacturing Center Staff
- Ensure blade guard and fence (if using) are properly positioned.
- Set the blade guard about 0.25" (6.35mm) above the material and tighten the knob.
- Position the work lamp to light the cut area without interfering with material control.
- Ensure the work area and table are clear of obstructions.
- Keep a push block within reach, avoiding the blade path and cut line. A dry run without power may help.
- Support both the finished piece and excess material. Ensure both sides of the cut are stable and won’t fall or shift unexpectedly.

Operation

- Press the start button to power the blade.
- Allow blade to reach full speed.
- Set blade speed using inverter control (85–2200 FPM).
- Verify speed setting on digital readout.
- Stop immediately if you hear abnormal sounds or vibrations.
- Place the material on the table.
- Feed it into the blade with a smooth, steady motion.
- After the cut, press the red stop button **(do not press emergency stop unless in an emergency)** and wait for the blade to stop before removing material.

Post Operation

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

4. Maintenance Schedule

Weekly:

- Clean sawdust and metal shavings from vents and moving parts.
- Check blade for dullness or damage.
- Inspect power cord and switches.
- Test emergency stop and blade guard movement.

Monthly:

- Lubricate blade guides and tensioning mechanisms.
- Check alignment of rip fence and blade.
- Inspect weld station and clean contacts.
- Tighten bolts and fasteners.

Quarterly:

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