Vertical Bandsaw Operation
Requirements for Student Use of the Shop Saws
Before you can use the machinery, the following requirements must be met:

1) Sawing Machine Shop Training must have been completed.

2) Brief discussion with an instructor prior to scheduling YELLOW saw time is required. Good to go with GREEN saws.

3) “Sign UP for a time“ in advance of when you need it, on the posted shop schedule.

4) Respect blocked out course times and instruction time. These times are posted on the shop schedule. Use of the shop will be reserved during these times.

5) Avoid “walking in” at the last minute. Shop personal have many daily duties. We always like to help, but common courtesy and a little planning on your part will go a long way toward smoother operations.
Vertical Bandsaw

- Power ON
- Power OFF
- Throat (20” for this saw)
- Adjustable Safety Guard
- Blade
- Adjustable Table
Vertical Bandsaw

- Blade Guides
- Throat Plate
- Killer Saw Blade !!!
- Repositionable Blade Guard
- Guard Position Clamp
- ON/OFF
- Killer Saw Blade
- Throat Plate
- Set Guard to Just Clear Part

Killer Saw Blade !!! Killer Saw Blade !!!
Vertical Bandsaw

Guard Up

NO!

Guard as Low as Possible

YES!
Basic Free Hand Cutting

**NO !**

Thumb in Danger Zone !

**YES !**

Palm on Table, Thumb Safe
Use Inverted Vise to Hold Round Stock

NO ! NO ! YES ! YES !

Thumb in Danger Zone ! Palm on Table, Thumb Safe
DON’T cut sheet metal on bandsaw!

Need to engage at least 3 Teeth,
It will damage blade.

NO ! NO ! YES ! YES !

Thumb in Danger Zone !

Use Sheet Metal Notcher

Use Sheet Metal Shear
Use Temporary Fixtures + “Push Sticks” for Small Parts

Keeps Fingers Away from Blade

Part Guide

Push Stick

Push Stick

Part Guide
Vertical Band Saw

Remember: Only one person operates the machine

**PURPOSE**
- Cutting short (< 2ft) stock and complex contours.
- Able to straights, angles, radii etc.

**DANGERS**
- Keep hands and fingers clear from blade.
- Make sure cutting procedure for material is correct.
- Make sure work is clamped tightly.

**CLEAN UP**
- Turn machine off.
- Brush all chips off machine and sweep floor.
- Always leave machine clear of objects and clean.

**HOW TO OPERATE**
- Minimum material thickness should be > 3 teeth.
- Minimum cut radius > 3 blade widths.
- Mark stock before cutting.
- Check blade alignment.
- Maintain constant cross section.
- Properly adjust safety guard 1/8”-1/4” above stock.
- If cutting round stock use vise.
- Use push stick if piece is to small to hold with hands.
- No metal on wood cutting blade.
- Feed material at a slow steady pace.
- Reduce feed force at end of cut.
- Always cut oversized if secondary machining operations are required.
- Guard is put down when finished.