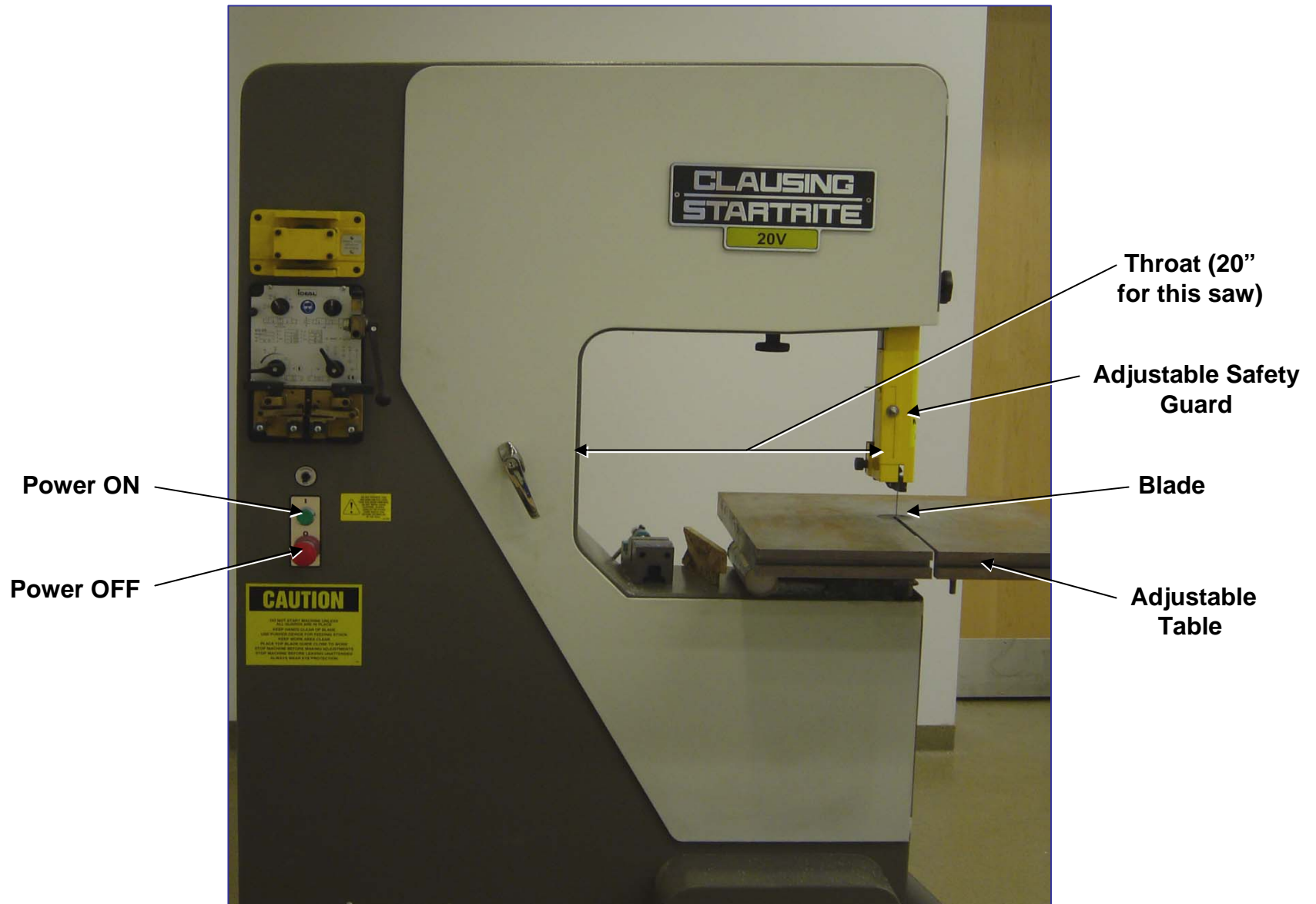


Vertical Bandsaw Operation

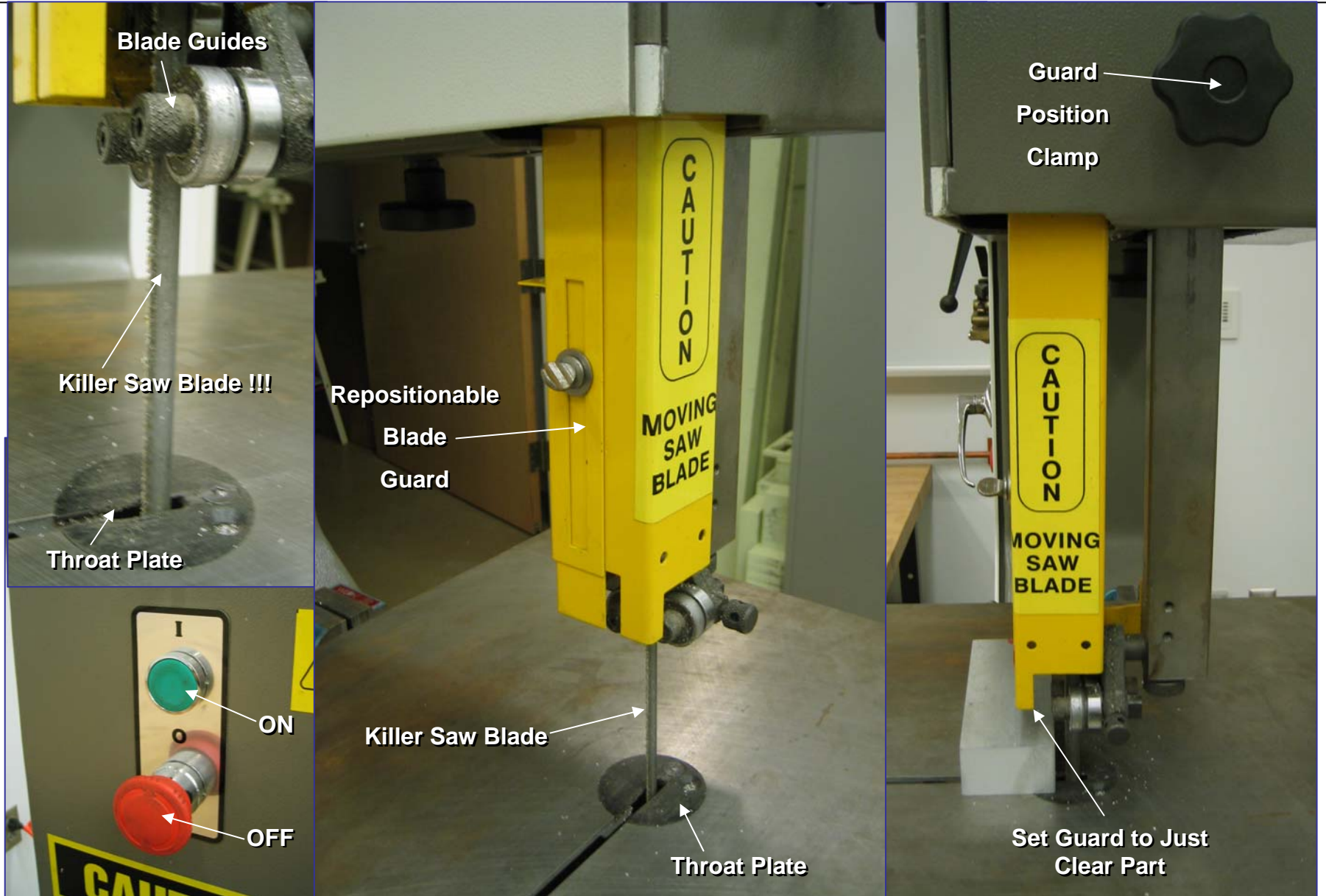
Requirements for Student Use of the Shop Saws

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

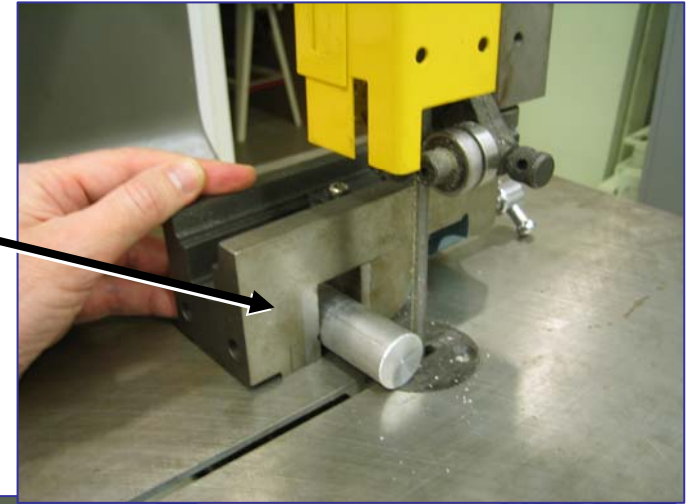




Basic Free Hand Cutting



Use Inverted Vise to Hold Round Stock



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.**



Use Sheet Metal Shear

YES !



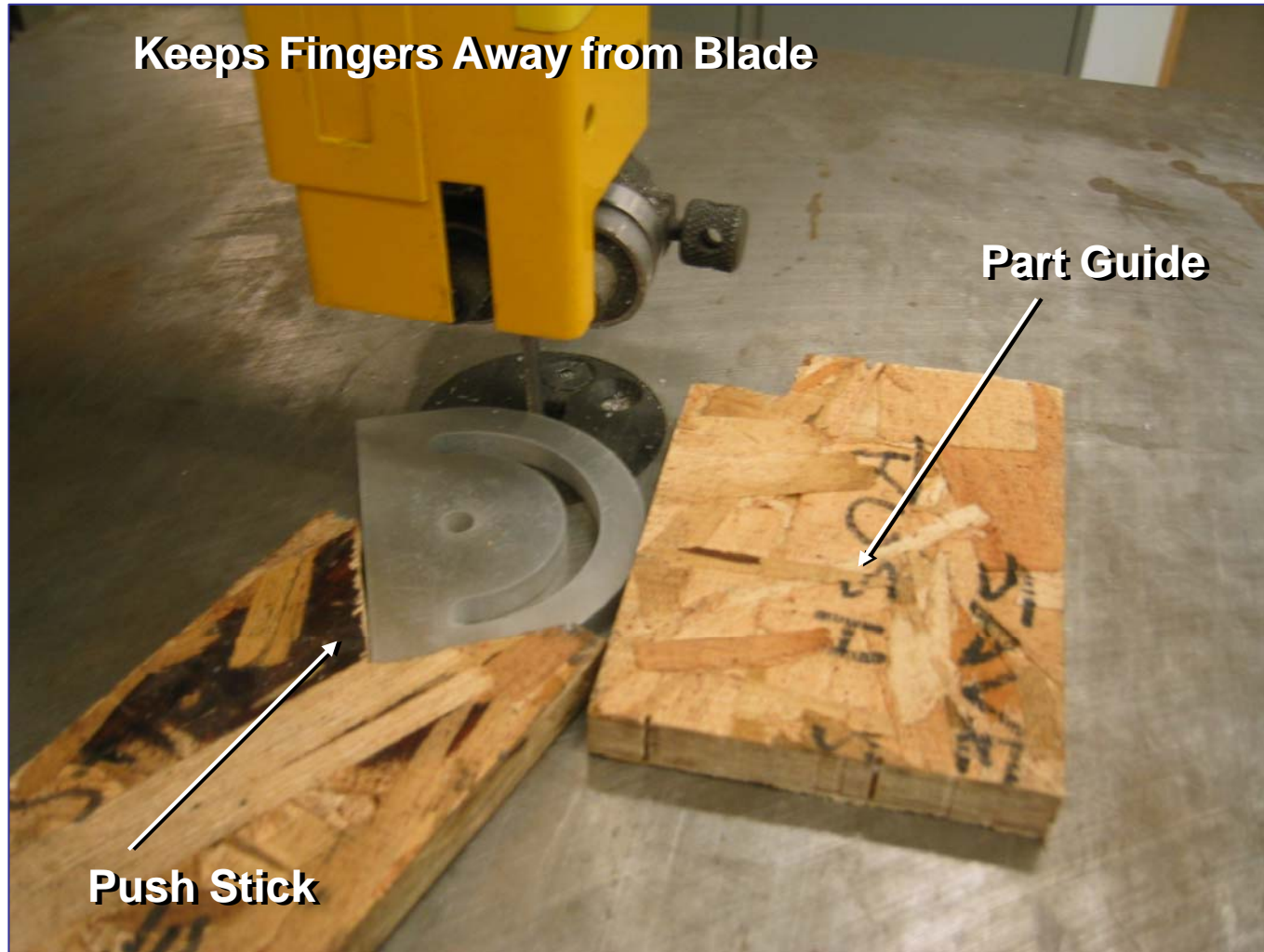
NO !

Thumb in Danger Zone !



Use Sheet Metal Notcher

Use Temporary Fixtures + “Push Sticks” for Small Parts



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 too 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.