

Department of Mechanical Engineering

Makerspace Safe Operating Procedure

Vertical Bandsaw

CAUTION: DO NOT use this machine unless a teacher has instructed you in its safe use and operation and has given permission. Safety glasses must always be worn in work areas. Long and loose hair must be contained or restrained. A mask must be worn when excessive airborne dust or toxic vapors are created. Appropriate footwear with substantial uppers must be worn. Rings and jewelry must not be worn near moving machinery components. Close fitting, protective clothing or a workshop apron is encouraged.

Ensure the guard doors are closed and the blade is properly adjusted prior to turning on the machine. Adjust the upper guard assembly to within 1/4 inch of the stock prior to starting the machine. Set the band saw at the appropriate speed for the type of stock being machined. Check to ensure the band saw blade is sharp. Check to ensure the blade is correct for the type of stock and correct speed being used. Allow the saw to reach full set speed prior to cutting stock. Do not force stock into the saw blade. Let the speed of the blade cut stock appropriately. Plan your cuts to avoid backing out of curves in the stock. Never push a piece of stock with your hands in front of the saw blade. Use a push stick & keep hands at a safe distance on either side of the stock being cut. Use a push stick or board to push small or irregular sized stock. Small work pieces can also be secured with a tabletop vise or clamp. All round stock must be secured in a tabletop vise or clamp prior to starting the cut. Hold the stock flat on the table prior to starting the cut. If the saw blade binds on a piece of stock, turn the saw off and wait until it comes to a complete stop before attempting to remove the blade from the stock. Do not allow large quantities of chips to accumulate around the work piece table. After stopping the machine, use a brush or rag to remove all excess chips from the saw.

By signing this document, I, _____, agree to abide by I agree to use makerspace responsibly in accordance with the rules, policies, and guidelines in this document.

MEDDL User

Date

MEDDL Makerspace

Date