Mill Safety

Prior to using a mill, you must receive basic shop safety training and equipment specific training before using this tool. You must wear appropriate PPE and follow all shop rules. Refer to the manufacturer’s operating manual for all operating procedures.

General Mill Safety

- Keep all guards in place while operating the machine.
- While operating the milling machine allow no one else to touch it.
- Keep hands away from moving cutting tools.
- Always use cutters which are sharp and in good condition.
- Always use the proper cutting fluid for the material being cut.

Before Starting the Mill

- Cutting tools must be securely fastened in the machine spindle with the proper accessory. Never try to tighten cutting bits or tools by hand.
- Work pieces and stock must be rigidly fastened to the mill bed with clamps, a vise, or special fixtures.
- Make sure the cutting tool is clear of the work piece before starting the machine.
- Make sure cutter is rotating in the proper direction before cutting material.

While in Operation

- Use appropriate speeds and feeds for the type and size of cutter being used and the material being machined.
- Do not make measurements of the stock while the milling machine is powered.
- Always stay at the machine while it is running.
- Use the milling machine spindle brake to stop the spindle after the power has been turned off.

Housekeeping and Maintenance

Housekeeping

- Do not allow large quantities of chips to accumulate around the work piece or machine table. After stopping the machine, use a brush or rag to remove all excess chips from the mill bed and stock.
- Do not place anything on the milling machine table such as wrenches, hammers, or tools.

Maintenance

- Follow EHS Guideline Lock-out/Tag-out – Control of Hazardous Energy Sources if making repairs or servicing.
- Do not power the machine to tighten or loosen cutting bits or tools.
- Before cleaning the mill, remove cutting tools from the spindle to avoid cutting yourself.
- Use a rag or Kevlar gloves to handle sharp cutting tools.
### Revision History

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