

CNC Router

The CNC router is a computer-controlled cutting machine used for various hard materials such as wood, to create a decorative design on or the functional shape of a workpiece. CNC stands for *computer numerical control*.

1. In addition to safety glasses with side shields, hearing protection is required in the CNC Shop area.
2. Ensure that your workpiece is secured to the CNC table.
3. Ensure that all clamps used to secure the workpiece to the CNC table are out of the cutting area or the tool path.
4. Do not leave the CNC machine unattended while it is routing the workpiece.
5. Use only sharp bits free of rust and pitch to avoid excess friction. A dull or dirty bit could result in the workpiece coming apart and causing damage to the equipment or the operator.
6. Always use the wrenches provided with the CNC machine during set-up and when making adjustments during the routing of the workpiece.
7. After changing the bits or making any adjustments, ensure that the collet nut is tightened securely.