



THE UNIVERSITY OF BRITISH COLUMBIA
School of Biomedical Engineering
Faculties of Applied Science and Medicine



Safe Operating Procedures Nomad 3 CNC

DO NOT use this machine unless you have been fully trained on its safe use and operation.



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained or restrained.



Appropriate protective footwear with substantial uppers must be worn.



Close fitting and protective clothing must be worn.



Rings and jewellery must not be worn.



Gloves must not be worn.

Compatible Materials: Wood, Aluminum, Brass

PRE-OPERATIONAL SAFETY CHECKS

1. Locate and ensure you are familiar with all machine operations and controls.
2. Ensure your material is suitable for this tool!
3. Ensure all guards are fitted, secure and functional. Do not operate if guards are missing or faulty.
4. Ensure mill bits are in good working condition.
5. Ensure mill bits are secured within the chuck.
6. Ensure the area and cutting table is clear before using equipment.

OPERATIONAL SAFETY CHECKS

1. Never open the door while cutting.
2. Use the right mill bits for the job.
3. Ensure material is compatible with the bit used.
4. Ensure material is secured to the cutting bed.
5. Ensure no collision will occur between the cutting tool, flip jig, securements, or stock.
6. NEVER use the interlock key to keep the door open while the cutting tool is active or while switching bits.
7. Double check all toolpaths and settings before cutting.
8. Use recommended feed and spindle speeds for the material and cutting tool.

HOUSEKEEPING

1. Clean the debris from the cutting bed and machinery.
2. Remove the cutting tool from the chuck.
3. Remove the stock material.
4. Turn off the machine.
5. Deburr the material as needed.

POTENTIAL HAZARDS

- Sharp blades
- Propelled Material
- Kickback
- Inhalants (ex. Aluminium dust)