



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



Safe Operating Procedures

Hand Tools

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 with sharp or prying tools.



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 with powered drills and dremels.



Gloves must be worn with sharp / bladed tools.

Compatible Materials: Wood, Aluminum, Plastics (no hard metals)

PRE-OPERATIONAL SAFETY CHECKS

1. Locate and ensure you are familiar with all tool 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 tool is in good working condition (no chips, cracks, dull blades, etc.).
5. Be aware of other people in the area.
6. Ensure the area is clear and free of hazards before using equipment.

OPERATIONAL SAFETY CHECKS

1. Never push/pull a blade towards yourself.
2. Do not apply excessive pressure with hand tools.
3. Use the right tool for the right job (i.e. do not use screwdrivers as pry bars, they may snap).
4. Ensure the tools is meant for your material.
5. Be aware of possible pinch / cut / crush hazards and possible impacts on hands if the tool or workpiece slips.
6. Always secure the material when possible.

HOUSEKEEPING

1. Return all tools to their proper place.
2. Clean the tools and work areas.

POTENTIAL HAZARDS

■ Sharp blades

■ Propelled Material

■ Metal chips