

Green:  
**USE AS  
INSTRUCTED**

## Carvey CNC Router

---

ANU MakerSpace Safe Operating Procedure:

**Low Risk Equipment - low incidence of pinch injuries.**

**PPE: Closed toe shoes, loose clothing and hair must be restrained.**

### Pre-operational Checks

1. Ask for assistance if unsure when using the Easel (<http://easel.inventables.com>) software for preparing your 3D models. Many issues with CNC begin with a poorly designed model or poor choice of parameters.
2. Only use approved materials on the Carvey. Do not attempt to cut anything bigger than the cutting bed (8x12in).
3. Ensure the material is clamped securely under the smart clamp and AT LEAST 2 other Carvey clamps. If you have trouble fastening your work piece ask a supervisor/mentor.
4. In Easel, ensure that there are no collisions with your model and clamps. The “step over height” machine setting under advanced can aid with this.
5. Use the ‘tab’ feature in easel to keep pieces secured during a cut-through operation.
6. Check that the tool is in good condition (not burned or snapped).
7. Ensure that the collet is tightly secured and the correct cutting bit is installed.

### Operational Checks

8. Do not move the material or print bed during cutting operations.
9. Do not place fingers or tools inside the router while parts are cutting.

### Post-operational Checks

10. Vacuum dust and debris BEFORE removing your part.
11. Remove the tool, clamps and leave the cabinet clean before leaving the MakerSpace.