



Preflight checks - Vcarve

SLQ Wiki Fabrication Lab 2024/08/28 06:20

Preflight checks - Vcarve

Before Exporting the NC file for your cutting program from VCarve check the following:

- Have you checked the dimensions of the *plate* with the material you will be cutting? Especially the thickness - underestimating the thickness (z axis) can result in **punching the bed**
- Are you Parts nested far enough apart?

Preflight checks before exporting NC Files - Continued

- Have you selected the right cutting tool for the job - cut diameter, cut depth, correct tool for required finish on the material, and for the features of the design (eg dogbone corners etc)
- Does the actual tool match the tool selected in the library for the toolpaths?
- Is the cut depth of each of the toolpaths consistent with the required depth? Are you sure your toolpath will not **punch the bed**?
- Have you selected the feeds and speeds recommended for the tool and material you are cutting?

Preflight checks before exporting NC Files - Continued2

- Have you set your toolpath to cut in the right number of passes? - *Max pass Z ≤ tool diameter*.
- Have you have selected correct cut direction (conventional or climb/ raster or offset) and vector offset (inside outside or on the line)?
- have you inserted the required depth, width, number of tabs and that the position of these is optimised?

Preflight checks before exporting NC Files - Continued3

* have you run an estimate cut duration and any tool changes to ensure you have enough time complete the job within you booking time.

Before exporting NC file have the Fabrication Lab Supervisor check your settings.

LINKS

[CNC Router Operations](#)

[Other Operations - Staff Only](#)

[Multicam CNC Induction](#)