Before you press Start

In Carvio

- [ ] Job Setup: the board's real width, height and **measured thickness**.
- [ ] Z Zero Position = Material Surface, XY Datum = Bottom Left (or whatever you will do at the machine).
- [ ] Every toolpath uses the **bit you will actually load**, with the right diameter and angle.
- [ ] Cutting order: carve and pocket first, profile (cut-out) last, with tabs.
- [ ] Toolpath list: the machining time looks sensible.
- [ ] Preview: nothing outside the board, nothing deeper than it should be.
- [ ] Safe Z is higher than the clamps.
- [ ] Post processor: Grbl (mm) for Grbl and grblHAL.
- [ ] Job built; the summary shows no travel warning.

At the machine

- [ ] Board clamped at its edges, flat, clamps outside the cut.
- [ ] First bit in, collet clean and tight, right collet size.
- [ ] Machine connected and **homed**.
- [ ] X0 Y0 set on the front-left corner of the board.
- [ ] Z0 set on the top of the board with **this** bit (paper or touch plate), plate and clip removed.
- [ ] **Frame job** done: the bit stayed over the board and clear of the clamps.
- [ ] Spindle on (if it has its own switch), dust extraction on.
- [ ] Eye protection on, hair and sleeves tied back, nothing loose on the bed.
- [ ] Hand near the stop for the first pass.

At each tool change

- [ ] Spindle off, bit changed, collet tight, **Tool changed**.
- [ ] Z0 measured again for the new bit (**Probe Z**).
- [ ] Plate and clip removed, spindle on, **Resume**.

From the Carvio Beginner Guides, Guide 6: Your First Job and Test Cuts. carviocnc.com