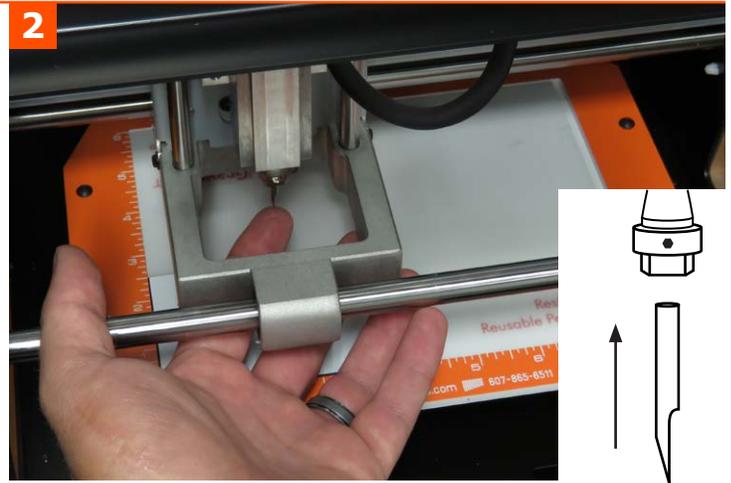
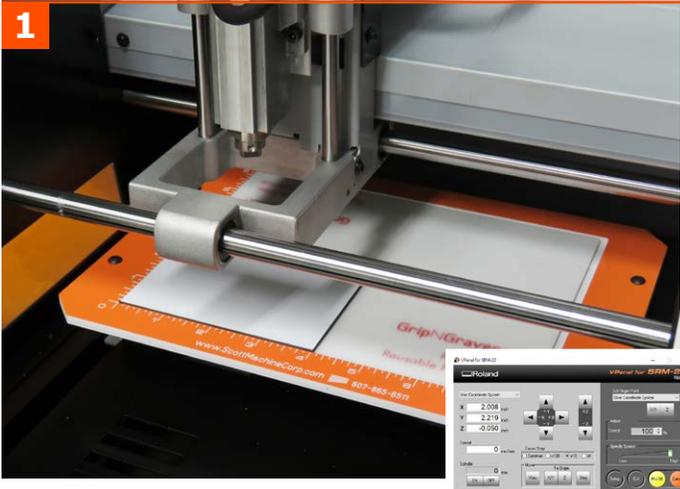


## How to install cutter & set Z origin



### Z Origin Set

- 1 Raise engraver head to the top of its travel via the arrow keys in the VPanel computer window. Move the head over your workpiece.
- 2 Rotate the collet until the set screw points toward you. Hold the cutter between two fingers and slide into the collet, aligning the flat of the cutter to the right as shown.
- 3 Tighten the collet set screw while holding the cutter flat almost flush with the collet.
- 4 Lower the engraver head via VPanel until the cutter is almost touching the workpiece. Click the Z button (circled) to set the Z axis origin point. Confirm the Z position readout has changed to 0.000".
- 5 Loosen the set screw, and the cutter will drop to touch the surface of the workpiece. Tighten the set screw. Then raise the Z axis off the surface of workpiece, and you're ready to start cutting your job!

#### Tips:

When creating toolpaths in the software, always select the correct tool to match the tool you've currently installed in the machine.

Our tool database contains all the geometry and feedrates to give you the cleanest and quickest results. However, selecting the wrong tool in the software will give you a mismatch and poor quality.

Keep Spindle Speed at maximum and Speed Adjust at 100% - that's where we calibrated the tool database.

The Cursor Step choices in VPanel let you adjust how fast the arrow keys work. "Continue" will move the head continuously while you hold the button. The x100, x10 and x1 will move the head about 0.040, .004 and .0004" for each click.

