

## X-Carve – Preparing to Cut

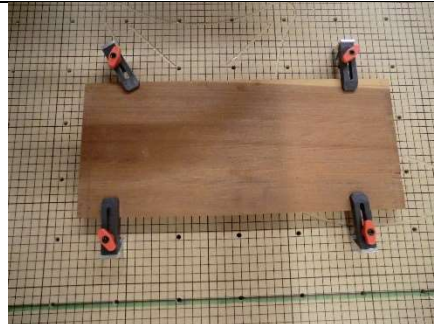
### Step 1: Check the exact thickness of your material

- Use calipers to check the exact thickness of your material. If necessary, adjust the material thickness in Easel.



### Step 2: Clamp the material in place

- Make sure the area to be cut is entirely inside the green-outlined cutting area.
- See Technique Tutorial “X-Carve – Clamping Material into Position” for details on clamping.



### Step 3: Check your clamps

- Make sure the clamps are outside the cut path of the design.
- Make sure the dust shoe can clear the clamps.
- See Technique Tutorial “X-Carve – Checking Your Clamps” for details.



### Step 4: Set the dust shoe height

- Using the controls in Easel, jog the router head over top of the material.
- Use the green screws to adjust the height of the dust shoe until the brush just touches the top of the material.
- *Note—if checking your clamps in Step 3 above indicated that you need a different dust shoe height, use that height and skip this step.*



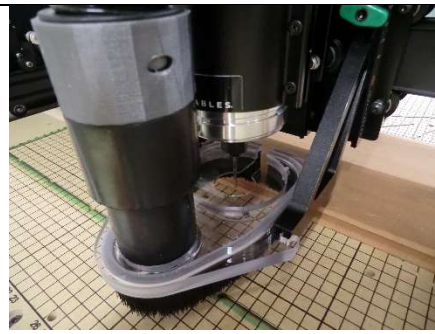
### Step 5: Check the bit clearance

- Using the controls in Easel, jog the router head over until the bit is no longer above the material.
- Moving the bit downward only by very small amounts (there is no limit switch to keep it from going too far), jog the bit downward as far as it will need to go for your cut job (for instance, for a full-depth cut, jog the bit downward until it barely touches the X-Carve bed).
- Be sure the router head will not hit the dust shoe.



### Step 6: Jog the bit back up again

- Using the controls in Easel, jog the bit back up again until it is high enough that it will not hit the material as the router head moves around



### Step 7: Turn on the X-Carve

- Flip the labeled switch on the wall to turn on the X-Carve and dust vac.



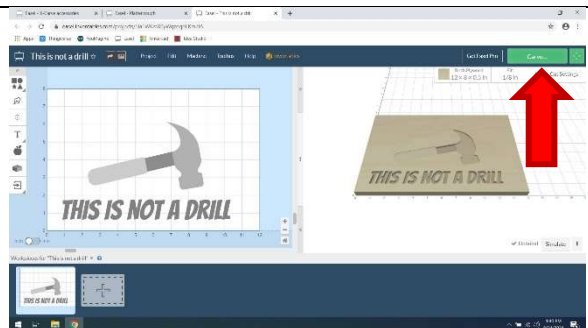
### Step 8: Plug in the USB cord

- Plug the USB cord from the X-Carve into the laptop.



### Step 9: Click the green "Carve" button

- In Easel, click on the green "Carve" button in the upper right.
- If the button is blue rather than green, try unplugging the USB cord from the laptop briefly and then plugging it back in.



### Step 10: Follow the steps in the screen that pops up.

- Easel will prompt you through the remaining steps of preparing the carve.
- Select the "probe" option in the "Work Zero screen"
- Make sure the doors are closed before the router begins the cut!

