

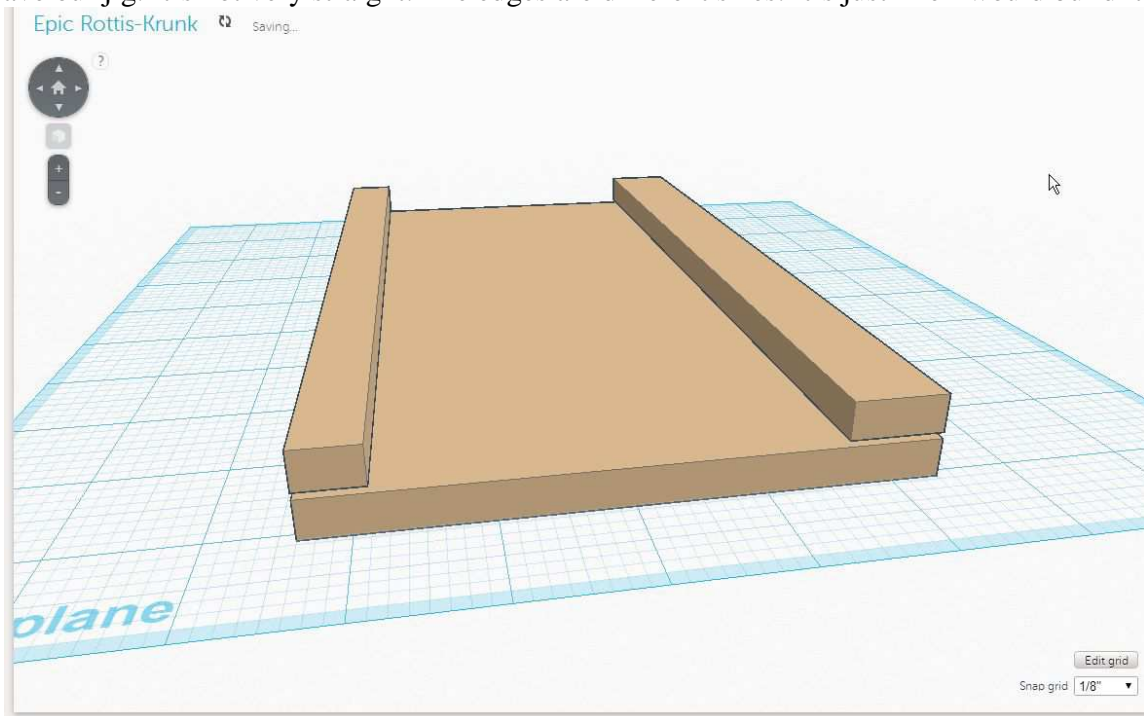
Flipping a Board Inside of a Jig

Although the CarveWright system was designed to securely hold and track a board while carving, carrier boards, or jigs, as they are usually referred to, are used in an effort to minimize waste of expensive wood. Jigs can be built to “stay under rollers” all the time, making tracking and head positioning more consistent. Jigs are especially useful as they can provide a smoother tracking surface for carving boards that may not be ideally suited for the machine, such as slices from a tree trunk, or wood that would lose its character if it were planed & squared.

CarveWright firmware version 2.005 introduced a new feature for double-sided carves. Previously, double-sided projects did not work well with jigs, because they require the entire board to be flipped along the board’s width. In this case, most users split projects in two – the front, and the rear. With this software release, the jig can now be accounted for when a board is flipped.

Previously, the firmware would calculate the position of the board after a flip, based on the dimensions of the board on the first side. This new feature requires the user to jog to position on both the front and back side of the board. No calculation is performed.

Here we have our jig. It’s not very straight. The edges are different sizes. It’s just like I would build it.



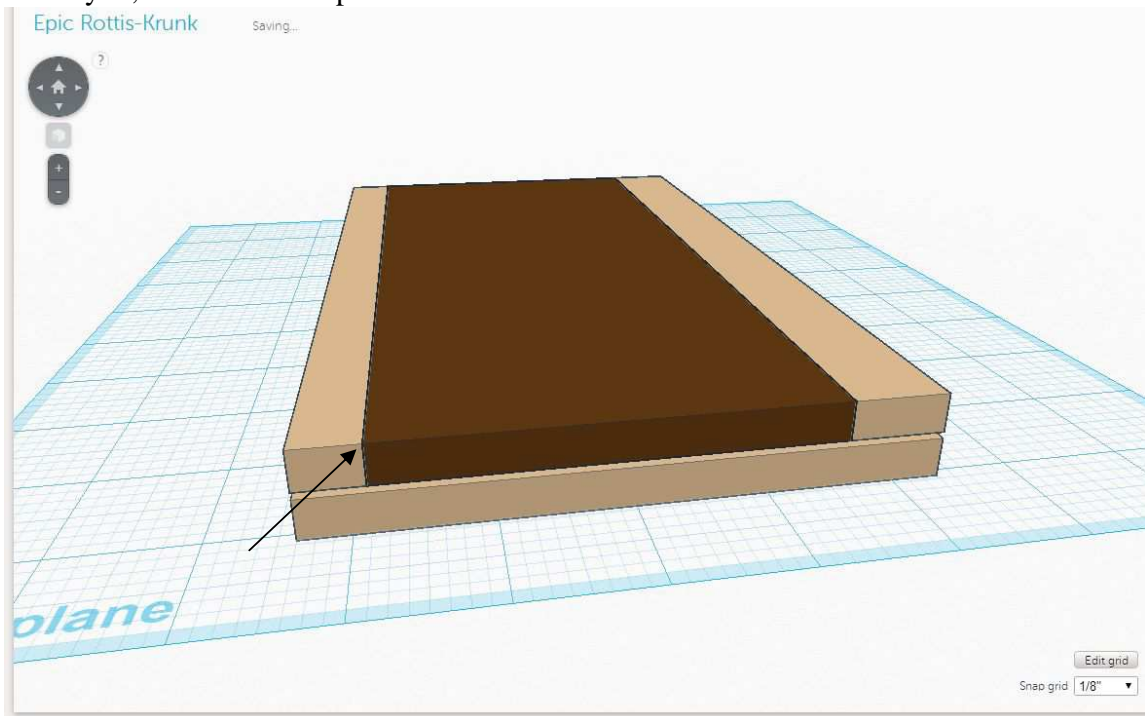
In the CarveWright Designer software, lay out your double-sided pattern, sized to the same size (or smaller) as the wood you will be carving. Upload your project, and take it to the machine.

Load your board into the jig, the jig into the machine, and start the project. It will ask to load the back of the board, just like all double-sided projects do.

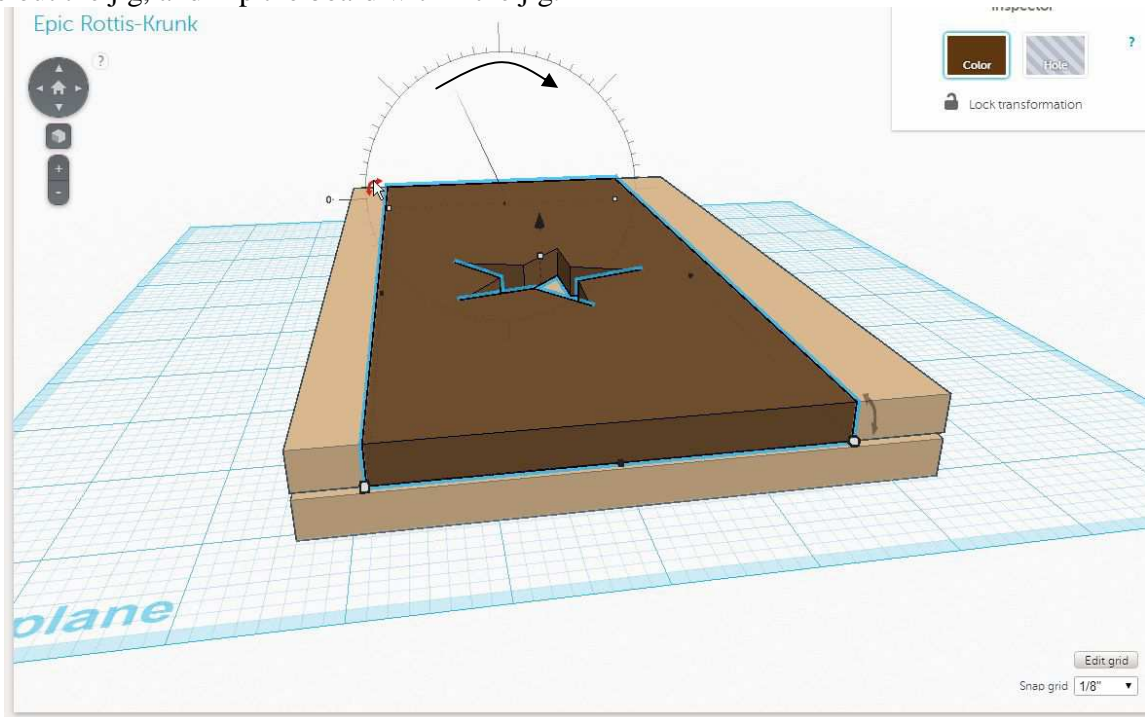
After it measures the board, if the size of the board is larger than the project board, the machine will ask:

Is this board in a jig?
1) Yes 2) No

To flip the board within the jig, answer “Yes”. The machine will ask you to jog to the corner, or the center. Select the “Corner” option. If you were looking at the machine from the front, it would be the left corner of the wood, closest to you, as noted in the picture.



When the machine has carved your pattern, it will ask for you to flip the board to the “front” side. Raise the head, slide out the jig, and flip the board within the jig.



Reload the jig into the machine. The machine measures the jig again to make sure of its dimensions, then asks:

Jog to far front corner

Jog to the far corner, as shown in the picture. Finish the carve.

