



Sharty's
Creative
Corner

&



T. SHADOW & CO.

present the
360 Rotary Jig v2.2
for NEJE style lasers





Axle Setup



Choosing your pulley is simple. Match up the blank to the pulley that is closest to its outside diameter. Once you've chosen a pulley set up the axle like the picture above. From left to right: Nut, Rotor, Nut, Nut, Pulley, Turning Bushing, Blank, Turning Bushing, Nut, Rotor. Note that if you're a blank with a 7mm tube the bushings are not needed.

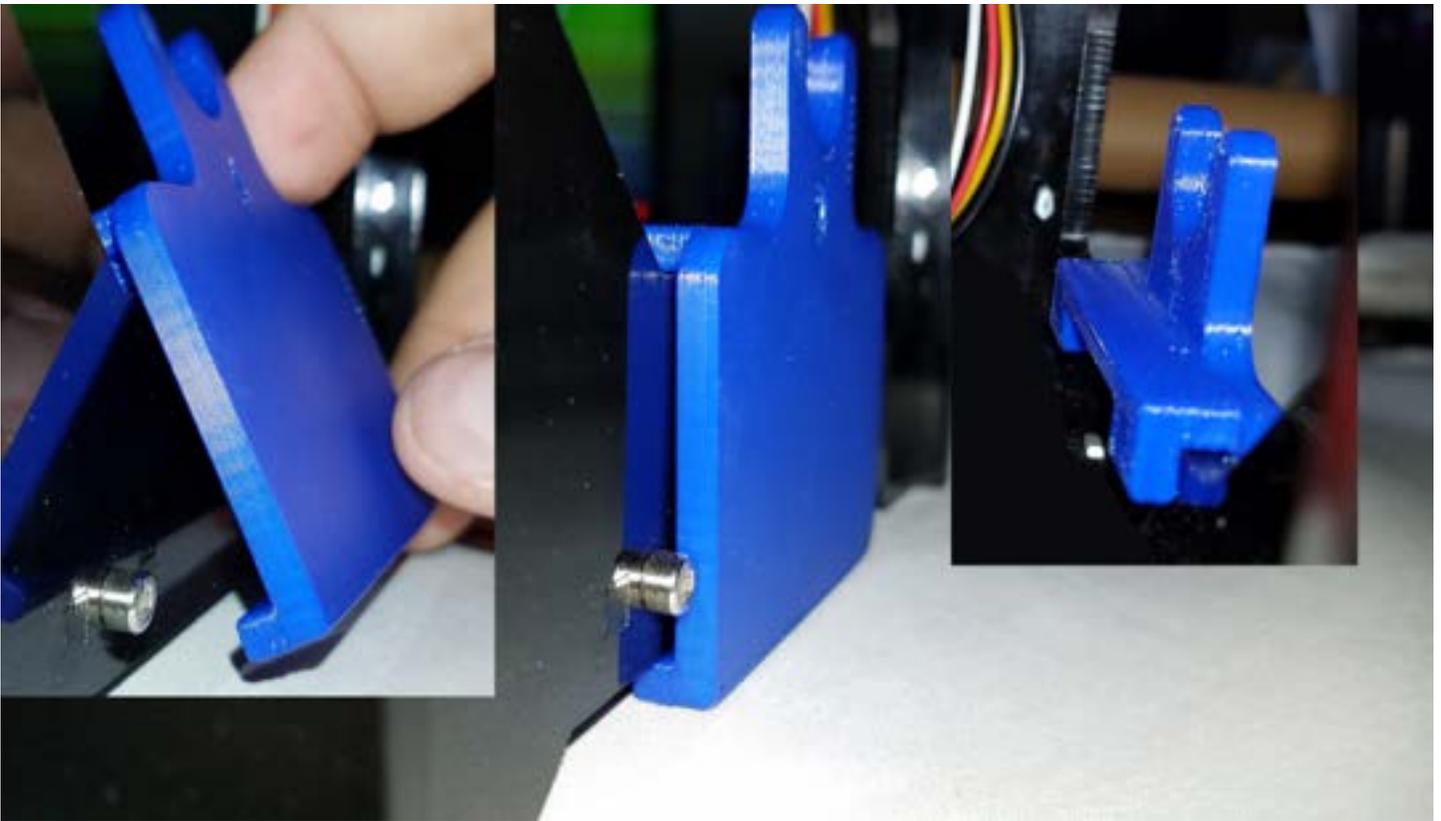
Next we will set up the main pieces of the JIG.



Main Jig Setup



Sides



To install the sides place the top “hooks” over the edge of the laser as shown above and then press down slightly and push the bottom in towards the laser. This will seat the side over the side of the laser frame. Make sure that the side is placed between the 2 bolt heads that stick out of the side of the laser frame.



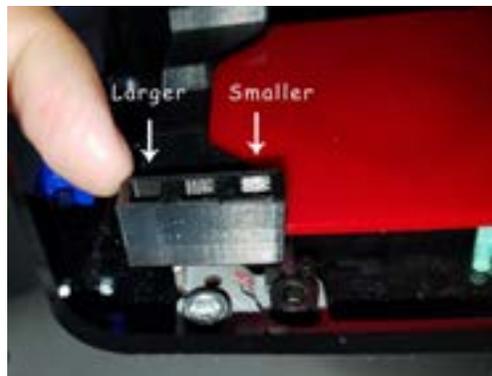
Main Jig Setup

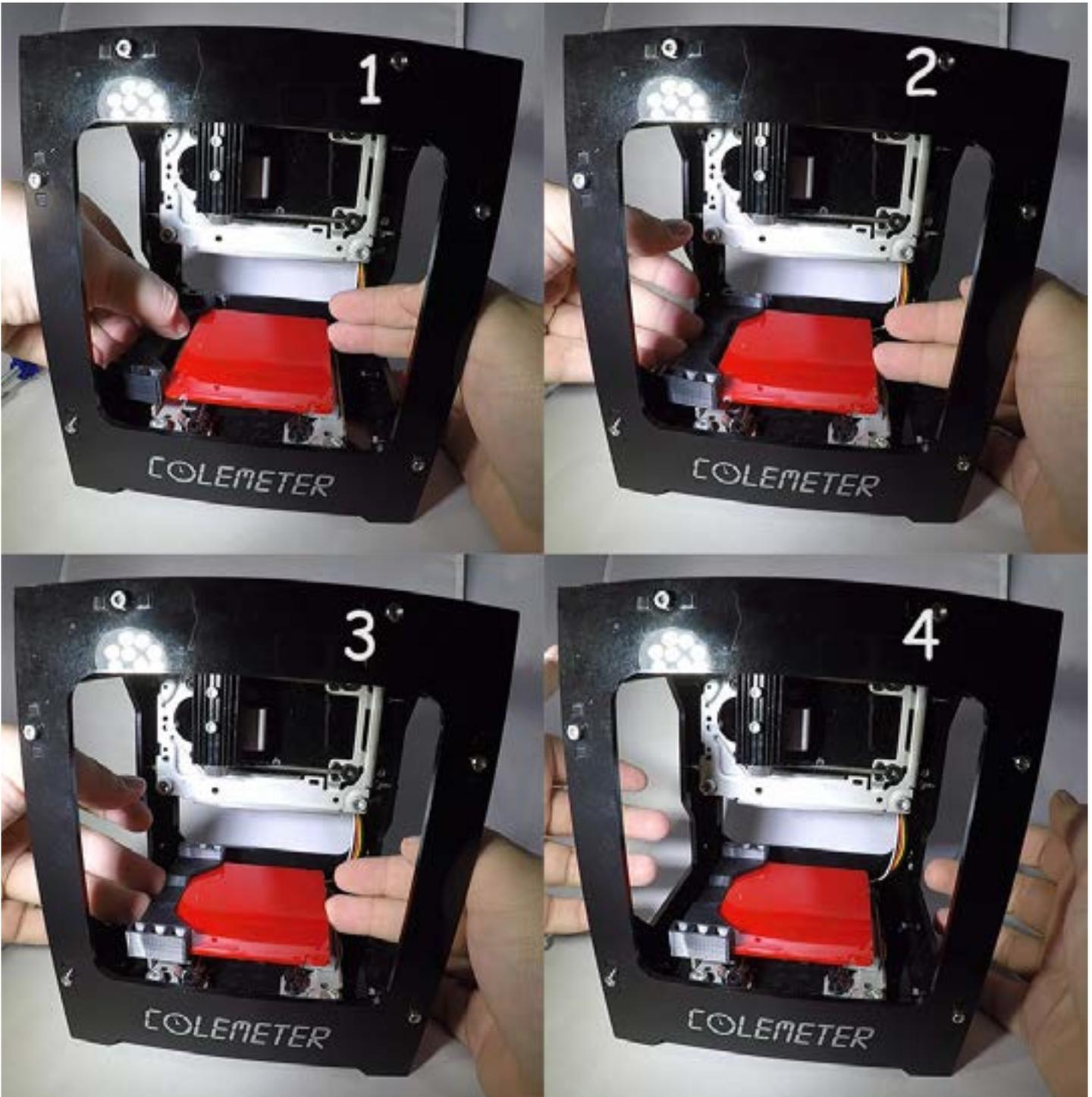


Bed Hugger & Risers

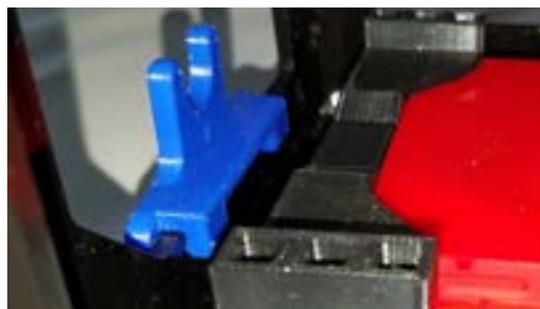


At this point it is easier to put your Risers into your Bed Hugger. So I recommend doing that now. For longer blanks i recommend using the far left Riser slot and for smaller pieces I recommend the far right riser slot

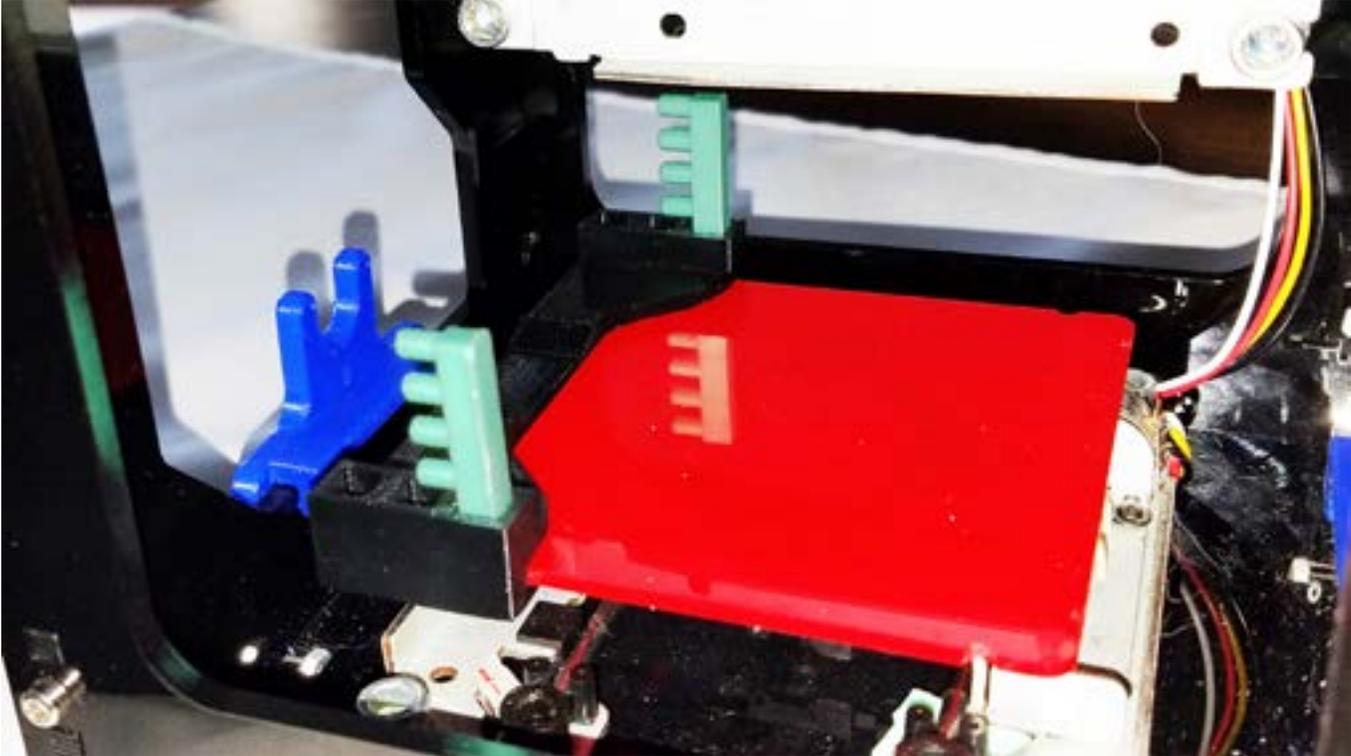




To install the Bed Hugger place it on the side of the bed as shown above. The bed of the laser will slide all the way into the slot in the Hugger. There should be no gap between the bed and hugger as shown below



Once your Risers and Hugger are installed it will look like this.



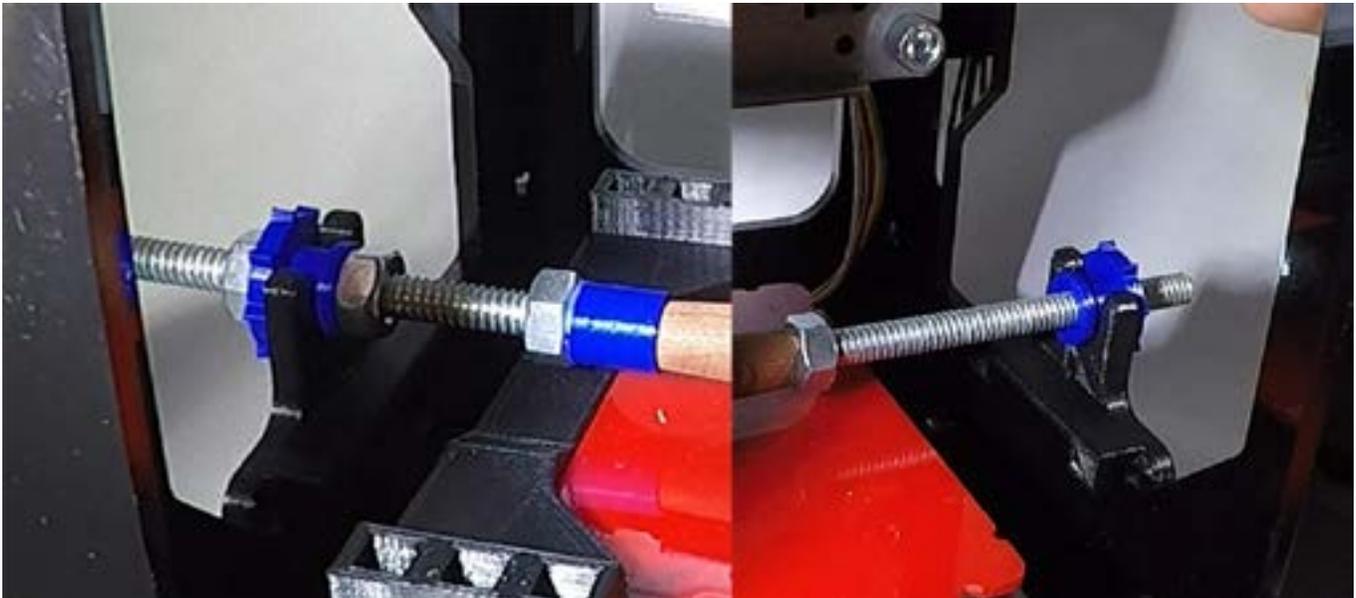


Main Jig Setup



Axle Installation

Once you have the Sides, Hugger and Risers installed you can move onto installing the axle. Take the axle you setup earlier and place it across the two Sides



The left side Rotor sits in the “U” on top of the left side and the right side Rotor sits in top of the right Side.



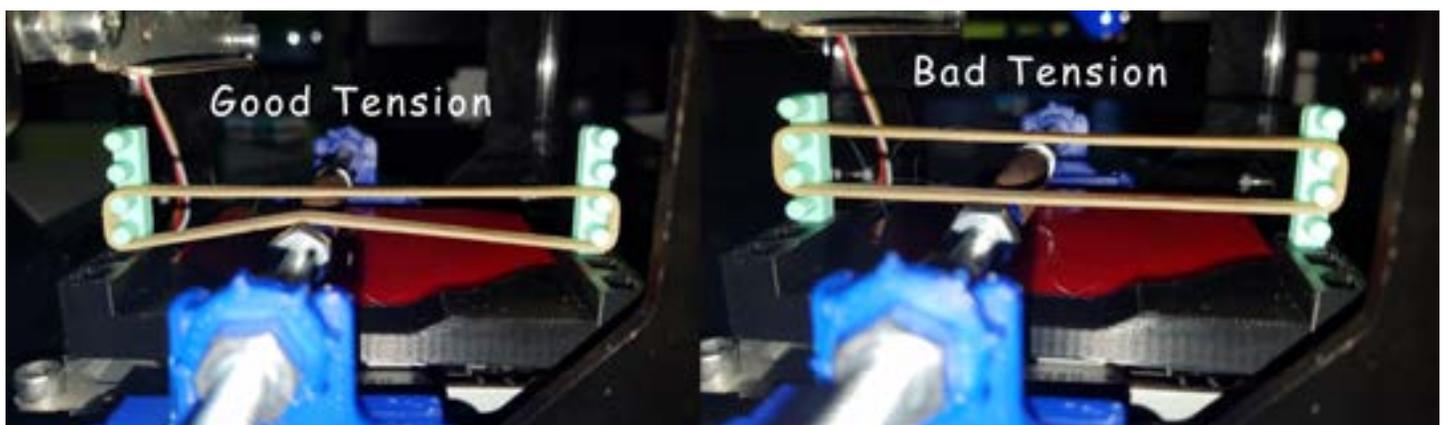
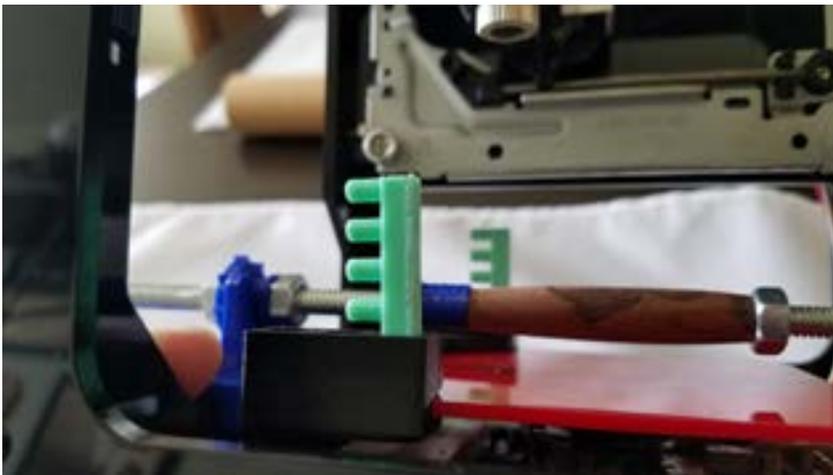
Main Jig Setup



Band Installation

Before you install the band you need to figure out what pegs to wrap it around. Look across the pegs to the back ones and make sure that whatever pegs you use will give you enough tension on the band. Below you can see a good and bad setup for the Band.

Note: when you install your band make sure the Riser Pegs line up with your pulley.





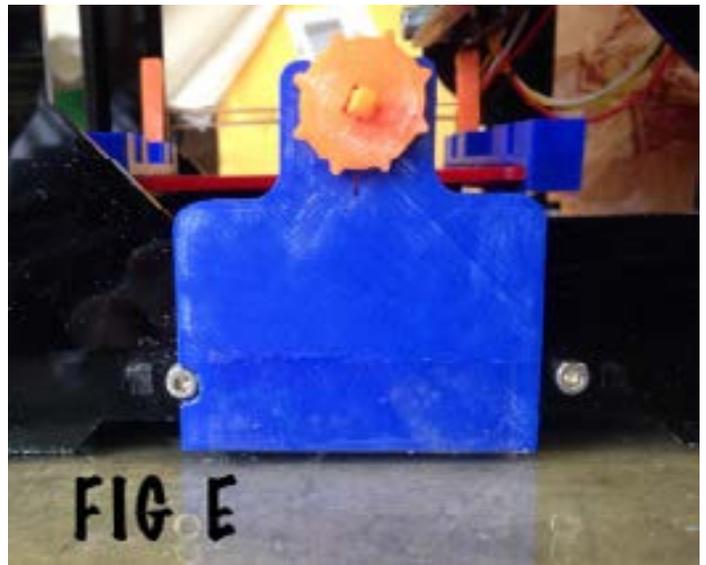
Tips & Tricks



Not Centered

After going through all the steps you are ready to test out your 360 Jig 2.2. As with most things there may be adjustments that need to be made or even things that will prevent you from getting a good result out of your Jig. So far we have seen two problems.

1. The laser isn't aligned with the center of the blank when lasering. FIG D
to fix this you can modify the sides to let you move them forward or back so its centered perfectly.
Or you can take out 2 of the frame bolts and just glue the frame together.





Tips & Tricks



Low Frame

2. Sometimes the metal frame that holds the laser module is set lower than normal, so the back Riser will hit the frame and not allow proper function of the laser and Jig. FIG A and B

To fix this you can sand the bottom of the riser or top of the riser to let it pass by the metal frame FIG C

