



**This first photo shows the jig as sent as a flat pack.**

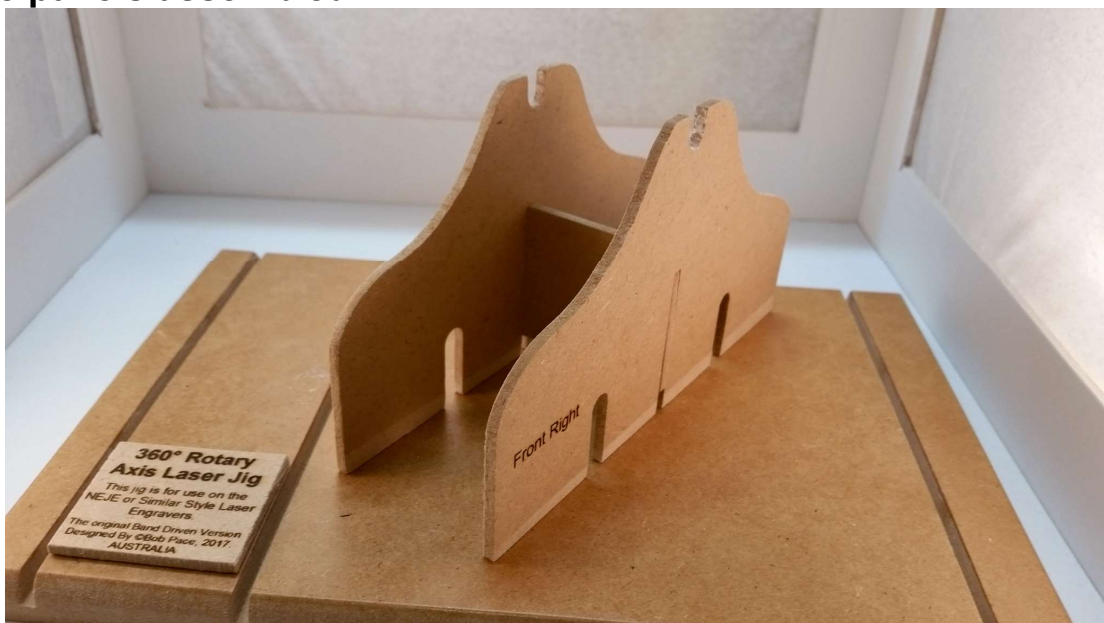


What you should find:

- 1 x Base
- 2 x Side Panels (marked Front Left and Front Right)
- 1 x Drive Band Bridge
- 1 x Threaded Drive Bush
- 1 x Push on Drive Bush
- 2 x Ring Holding Cones\*
- 1 x Securing Bolt (used with ring holding cones)
- 1 x Side Panel Spacers
- 1 x Jig Lock (3mm and HTPOW users also have double sided 3mm and 6mm).
- 3 x Rubber Bands

\*On the first few jig sent out there is 1 cone and 1 fibre washer.

**Side panels assembled.**



Option1. The notches on the spacer are to be placed at the top. The easiest way to assemble this, lay one panels on a flat surface insert the spacer the repeat for the second. Make sure the panels are in their correct orientation.

**Side panel assembly in place on the base plate.**



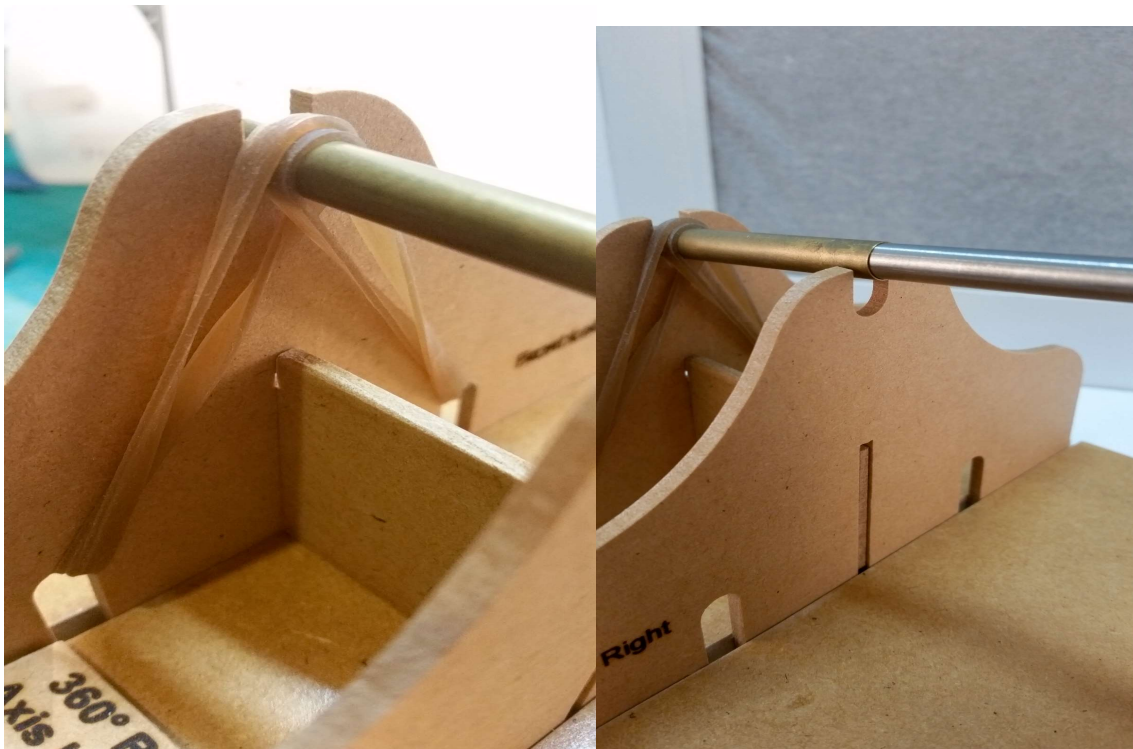
To help make sure the side panels are parallel, the front edge of the side panels should in line with the edge of the nameplate as shown.



**Preferred method of holding the brass tube in the left & right panels.**



Left hand photo the two ends of the rubber band are pushed through the large lower slots of the left side panel. Right photo shows the view from the outside of the jig.



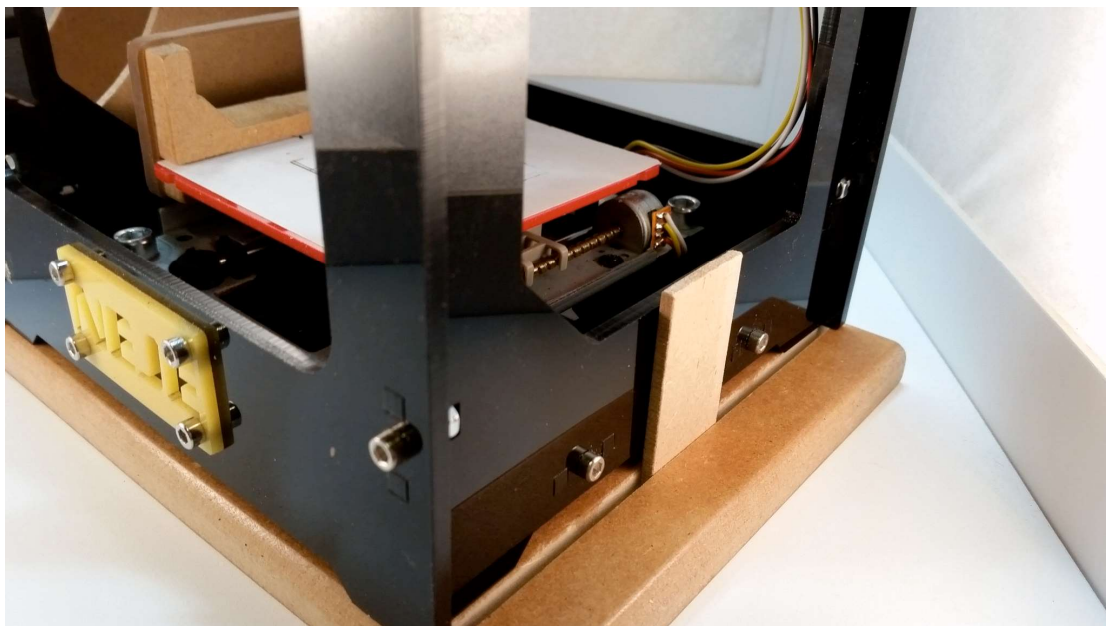
The left shows how the rubber band is slipped over the end of the tube. In the right you can see how the mandrel rod in the brass tube and how the band acts as a spring, this makes it easier to put the mandrel in once the blank is mounted on it.

## Fitting the Laser to the Jig.



Left side panel sits in between the front and back panels of the laser.

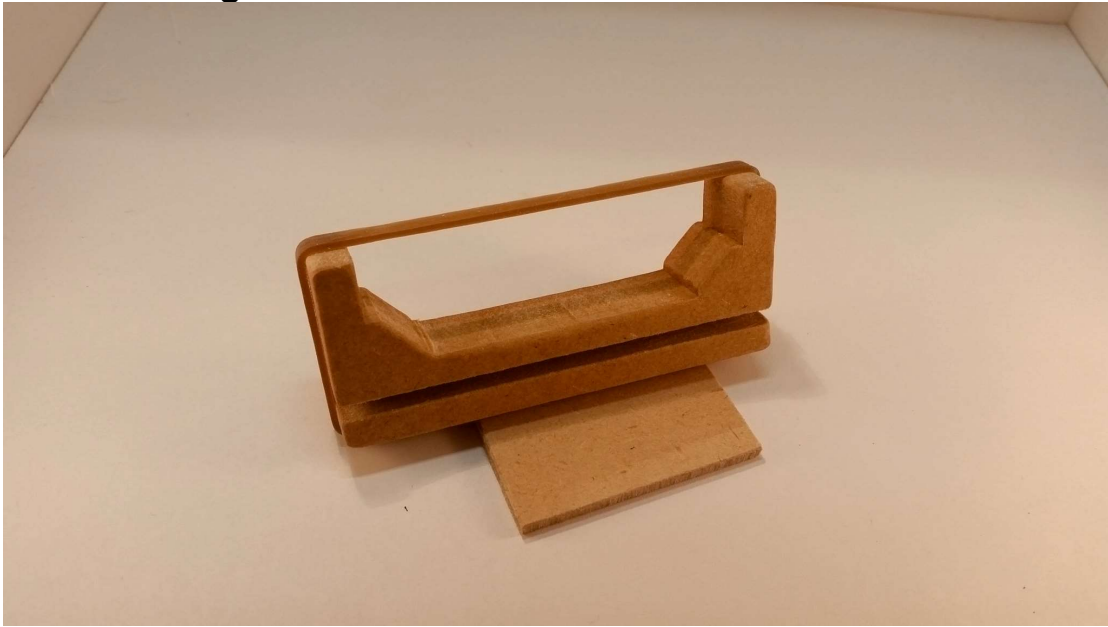
NOTE: This is actually showing the set-up for the pen only option 2, but it's the same for both.



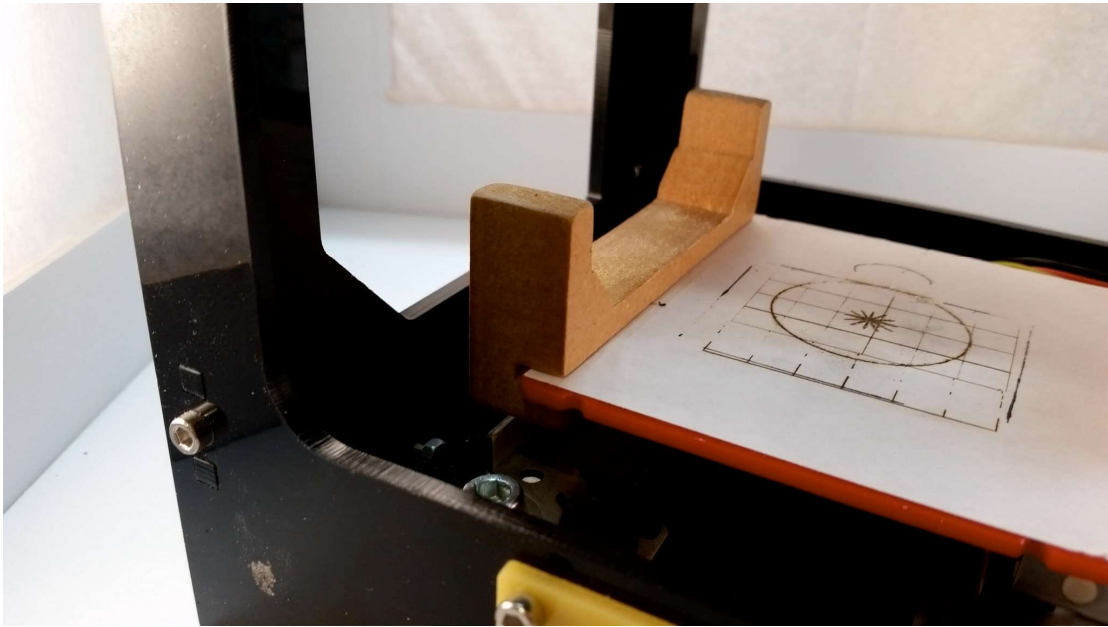
Right hand side of jig shows the jig lock in place. This is just to stop the laser from moving on the jig base.

The HTPOW has an addition jig lock that is double sided with a 3mm and 6mm spacer to be used in place of the standard one. This is a short-term fix until I get feedback from HTPOW users.

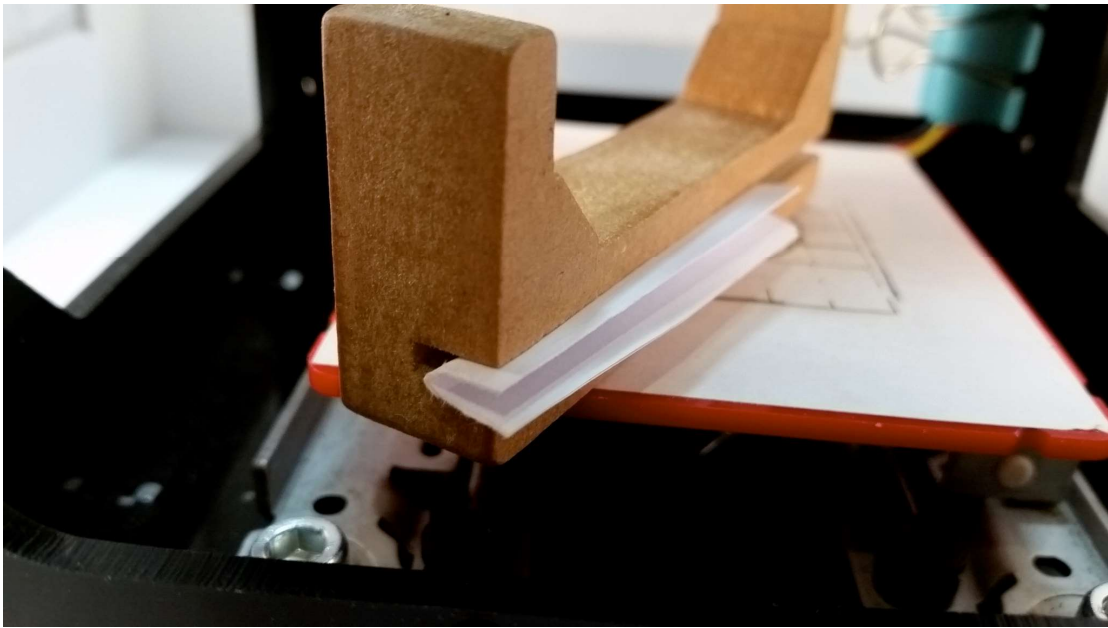
## Drive Band Bridge



Mounted on the laser table



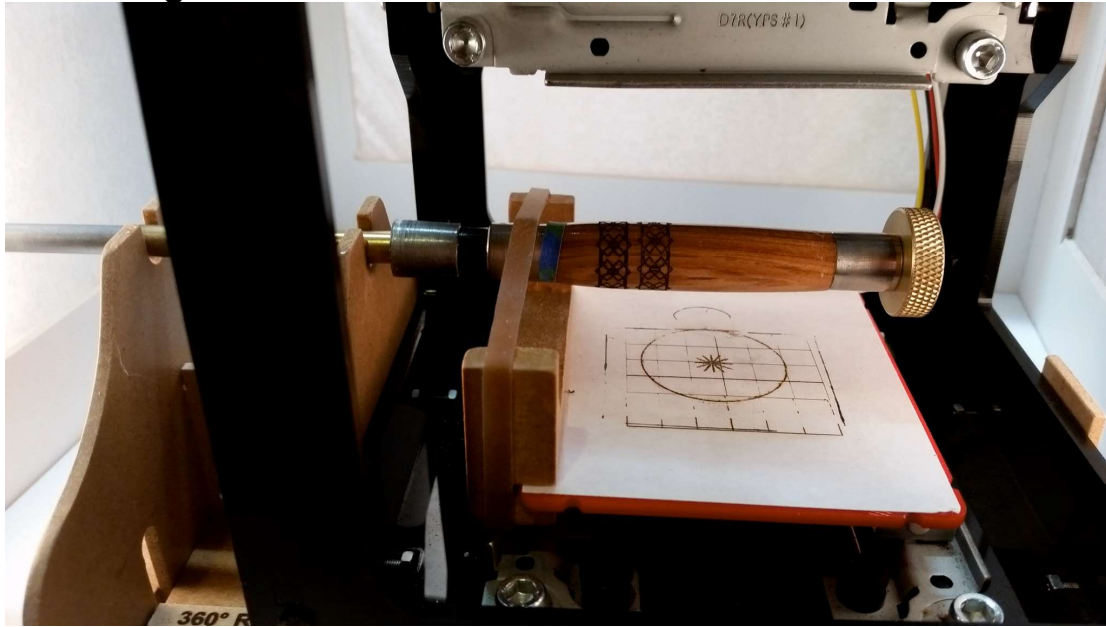
You will find it easier to place it in position on the laser table before attaching the laser to the base. You can also fit the rubber drive band while the bridge is out as shown above.



You may find that the bridge is too loose and will need a small piece of packing. You are looking for a snug push fit.



## Pen Mounting Shown with Laser



\*You can put the mandrel together with the various parts and then slide it into position by simply lifting the drive band and sliding it in.

\* These photos do not include the rubber band to hold the brass tube as described earlier.

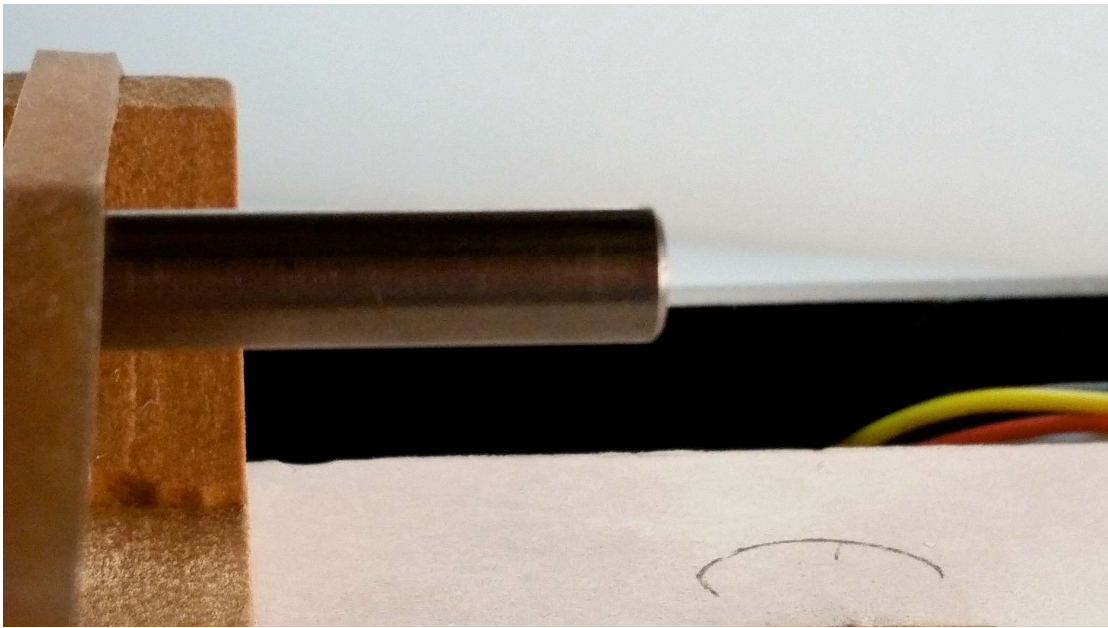
## Ring & Bottle Stopper Engraving



### Threaded Drive Bush and Push on Drive bush



This has been designed so that you can turn you own push on drive bush to suit whatever you are engraving. The threaded end is allows you to screw in a bottle stopper or attach the ring holding cone using the securing bolt. The



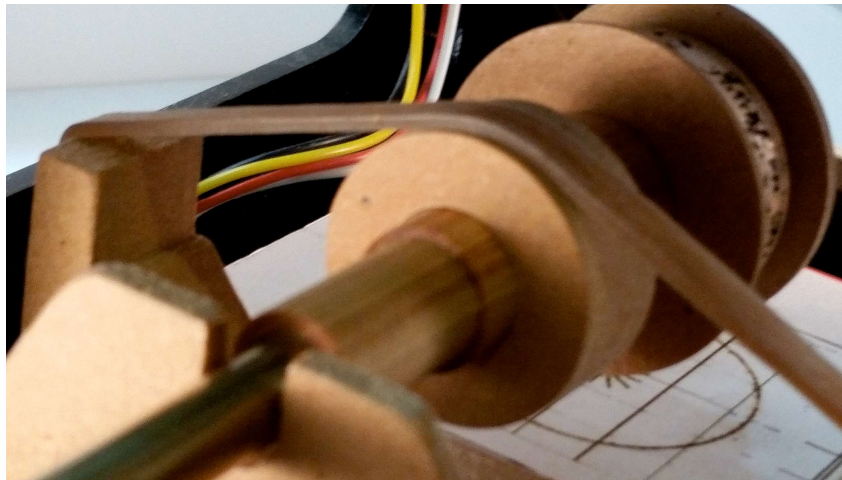
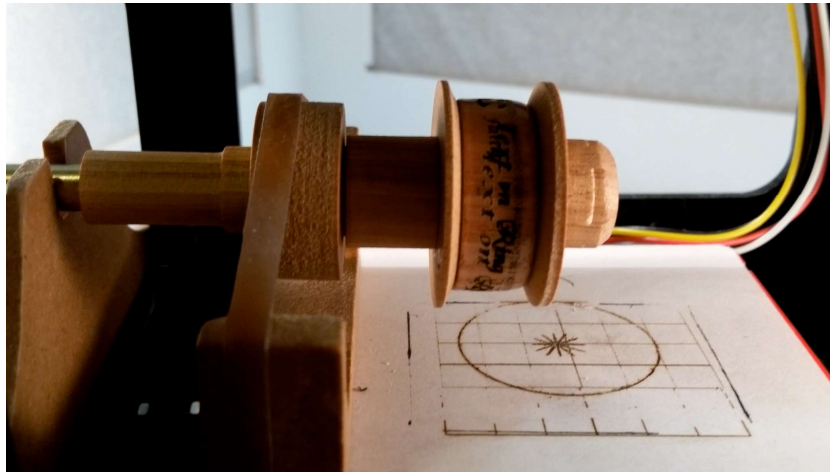
When using it you should use the plain end of the mandrel and not the threaded.



For ring engraving this is the way to assemble it with the ring in between the cones or fibre washer. The screw only needs to be pinched up to hold the ring.



The assembled drive bush then can be slid into position by lifting the drive band and sliding it onto the mandrel.





Bottle stopper is the same as rings, attach the stopper and slide it into position.





## Removing Side Panels from Base.



If for any reason you want to remove the side panels from the base, simply use a screwdriver and a scrap piece of wood. Place the screwdriver in each of the side panels slots with the scrap piece of wood under the end of the screwdriver, gently easing the panel out.