

(35150, 36900)

CNCShark™ Assembly Instructions

Please carefully read all of the instructions!

To assemble the top part of the machine, it has the two black motors, (AKA the gantry) to the base...

****You will need a star T27 bit, the 12 bolts and nuts that were packed in a baggie, and pliers, needle nose, or wrench. Before using tools of any kind, it is critical to insert all the bolts and nuts by hand first to ensure proper alignment of the machine!**

1. The motor already connected the front of the base must be closest to you (pointing towards you).
2. Take out the 12 bolts and nuts from the baggie
3. Unscrew the all of nuts from all of the bolts.
4. The gantry (top part of the machine) needs to have the router holder facing you (the router holder is AKA the z-axis) with the motor on the base still facing you.
5. Line up the gantry to the base's part that slides on the two metal bars, the part of the machine that slides on the base is the y-axis.
6. The six holes on each side of the gantry and the y-axis piece are already drilled
7. Match up the six holes on each side (6 on one side, 6 on the other side) of the gantry and put all 12 of the bolts and nuts into these holes **by hand, first.**
8. Once everything is straight, then tighten with drill or screwdriver and needle nose or pliers or wrench.

To mount the router:

1. Loosen the bolt on the router holder. It is directly in the front parallel to you when facing it.
2. Place the router into the holder. The fit is tight so twist the router left and right while putting a little downward pressure on the router.
3. Make sure the router goes down as far as it can.
4. Tighten the holder by screwing down the main bolt on the holder. The use the picture above for reference.

Make sure all of the connectors labeled 'x', 'y' and 'z' (the white ones with the cords) outside of the control box are still connected. **Never plug in or unplug these connectors when the machine is on and/or powered doing so could damage the controller.**

To power the CNCShark™:

Plug in a power strip to the wall outlet. Then, plug in the Shark's power supply (which is the regular cord) and finally the router's cord into the power strip. The power strip will function as a master off and on switch as well as a reset for the machine.

Make sure upon powering that the fan is working inside the controller box. You will hear it and see it spinning. If the fan fails for any reason turn off the machine. As a reference, it is best to keep the large fan of the controller box facing up this is the correct orientation of the control box and is necessary to keep air and heat currents the flowing in the correct direction.

This machine is not designed to work with fluids. The router is a dry router do not cut with any misting or wet material it may cause a fire. Keep fan intakes clear of material.

Keep your CNC Shark away for any moisture and in temp range from 50 to 80 F. Lightly blow air through the fan occasionally to remove any particulate from the electronics. This will to prevent additional heating inside the box that could result in damage. Do not expose the system to high humidity this may cause condensation on the electronics and cause a short. Never operate your machine during a thunderstorm to prevent circuits being damaged excessive line voltage.