



## **Grounding Your Plasma Table**

*Version 8.26*

Congratulations on the purchase of your plasma table! Many electrical issues can be traced back to improper grounding. Please don't ignore this - doing these procedures can save you a lot of time, headaches, and even potential injury.

You should place a single grounding rod as close as possible to the plasma table, preferably, right next to the machine. There are several YouTube videos detailing how to properly set / test a grounding rod. Additionally, you might Google search for 'Retro Systems grounding procedure' on how to properly install and test a grounding rod.

All wiring should use multi-stranded 10 gauge copper wire as a minimum. The more strands the better. Solid copper should be avoided. It's best to cut wires to the proper length - avoid coiling or looping any wire, as this can cause EMF interference.

All components should be directly bonded to the single grounding rod. The work lead from the plasma cutter, your workpiece, and plasma table should all have individual grounding wires going directly to the grounding rod. Electrical components should not be daisy chained to each other - they should all have a direct lead to the grounding rod.

As an absolute minimum, remember that you must always have a solid, continuous ground connection between your plasma cutter and your workpiece. If you don't properly ground your workpiece to your plasma cutter, you run the risk of electric shock, which can cause serious injury, or potentially death. Be diligent, and be careful!

