

Super grounding the SC/Laserpoint 2

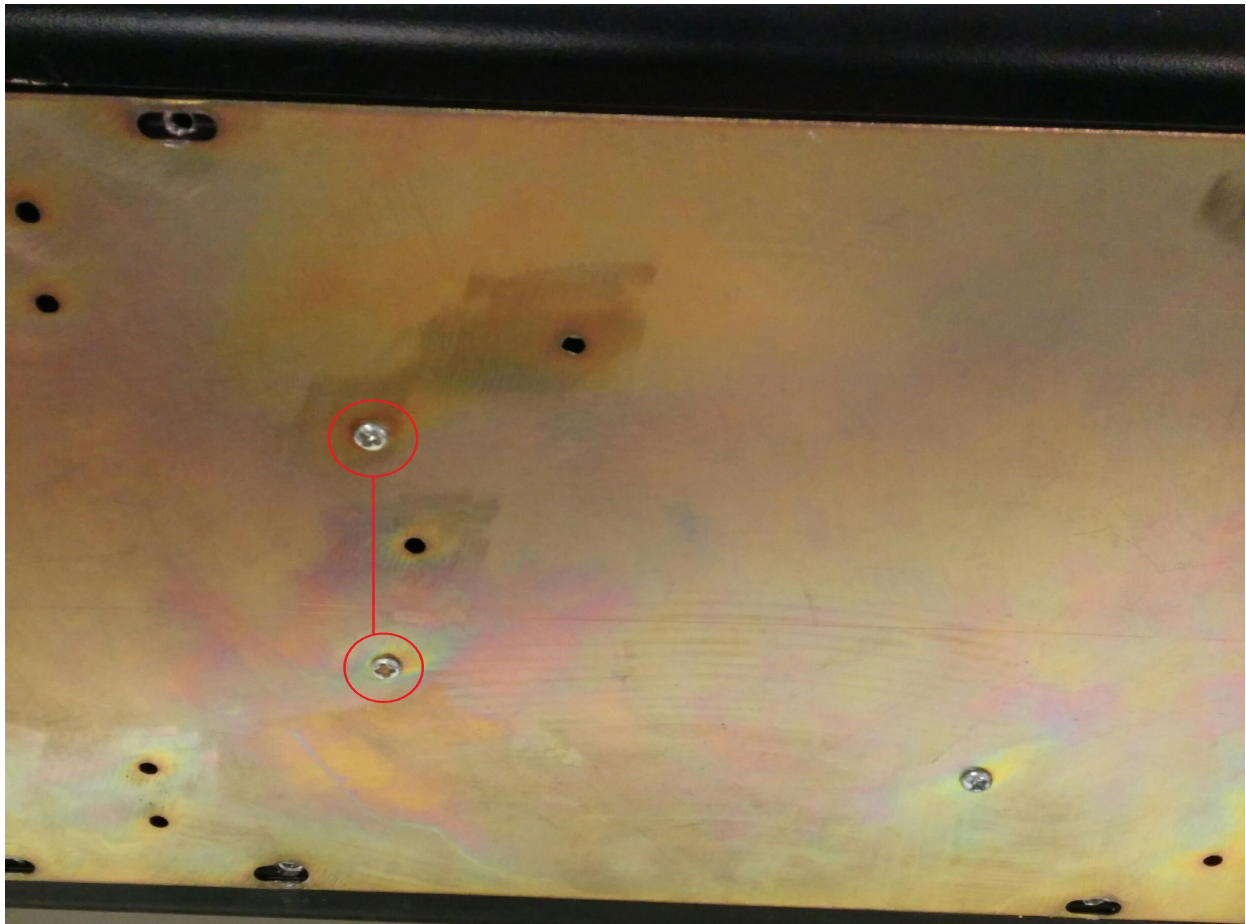
Vinyl is an insulator which is negatively charged; this is where the problem begins. During the process of simply unrolling, your vinyl gets a strong negative charge. Because it's an insulator you can't simply wipe off the charge (as with anti-static wipes) unless you cut the sheet from the roll. The other point where this is an issue is when the media feeds out of the machine and lays on the floor (ESPECIALLY CARPET!) and then the cutter rolls it back in. Again the peeling away motion creates more static.

Grounding the cutter (or "bonding" to be precise) is your best option for helping to discharge the static that has built up on the cutter. Grounding can be done by running a copper wire/speaker wire from a screw on the base of the cutter to a point on the stand. Contact points should be metal on metal, which might require you to scrape away some paint. You can also try a humidifier to dampen the amount of environmental Static Electricity in the immediate area.

There are many methods of ground a vinyl cutter. Some work for some people and some don't. This method is for people who have tried other methods and are still having static issues.

First on the bottom of the cutter on the right side where the motherboard is locate these two screws circled in red.

SC



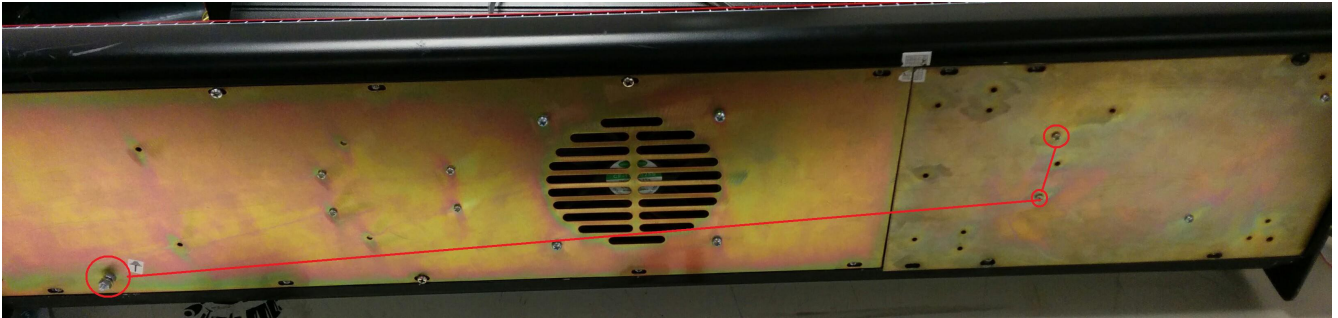
Laserpoint 2



As you can see in the pictures I have run a line in between the screws. This is because you will need to run a length of wire between the two screws bridging them. Then from one of the bridged screws run another length of wire to the grounding screw located at the far left end on the bottom of the cutter.

View the examples below

SC



Laserpoint 2

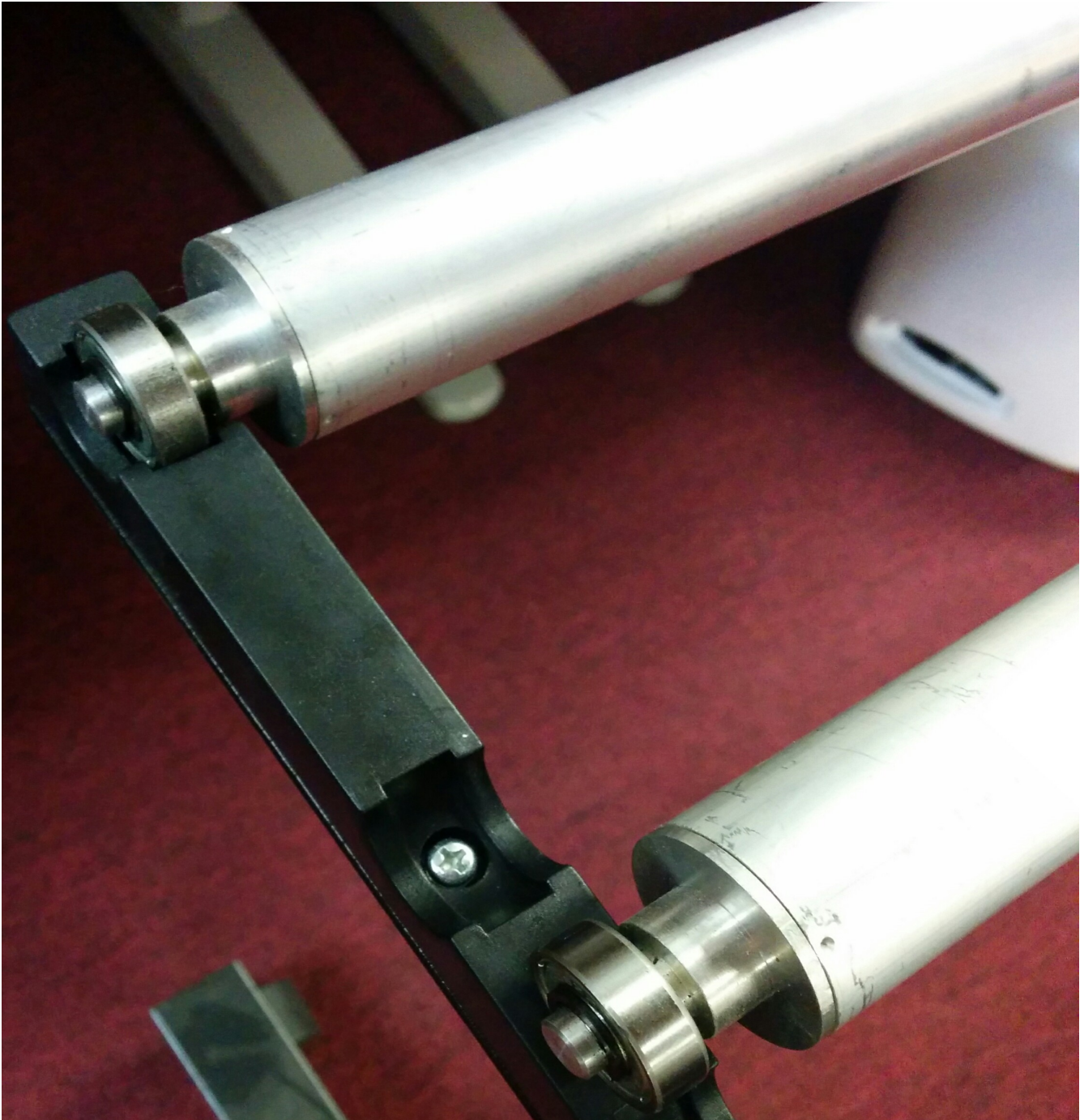


Now with the two screws on the right side are bridged and a length a wire is run from one of the bridged screws as shown above it is now time to run a wire from the grounding screw to the vinyl rollers on the stand.

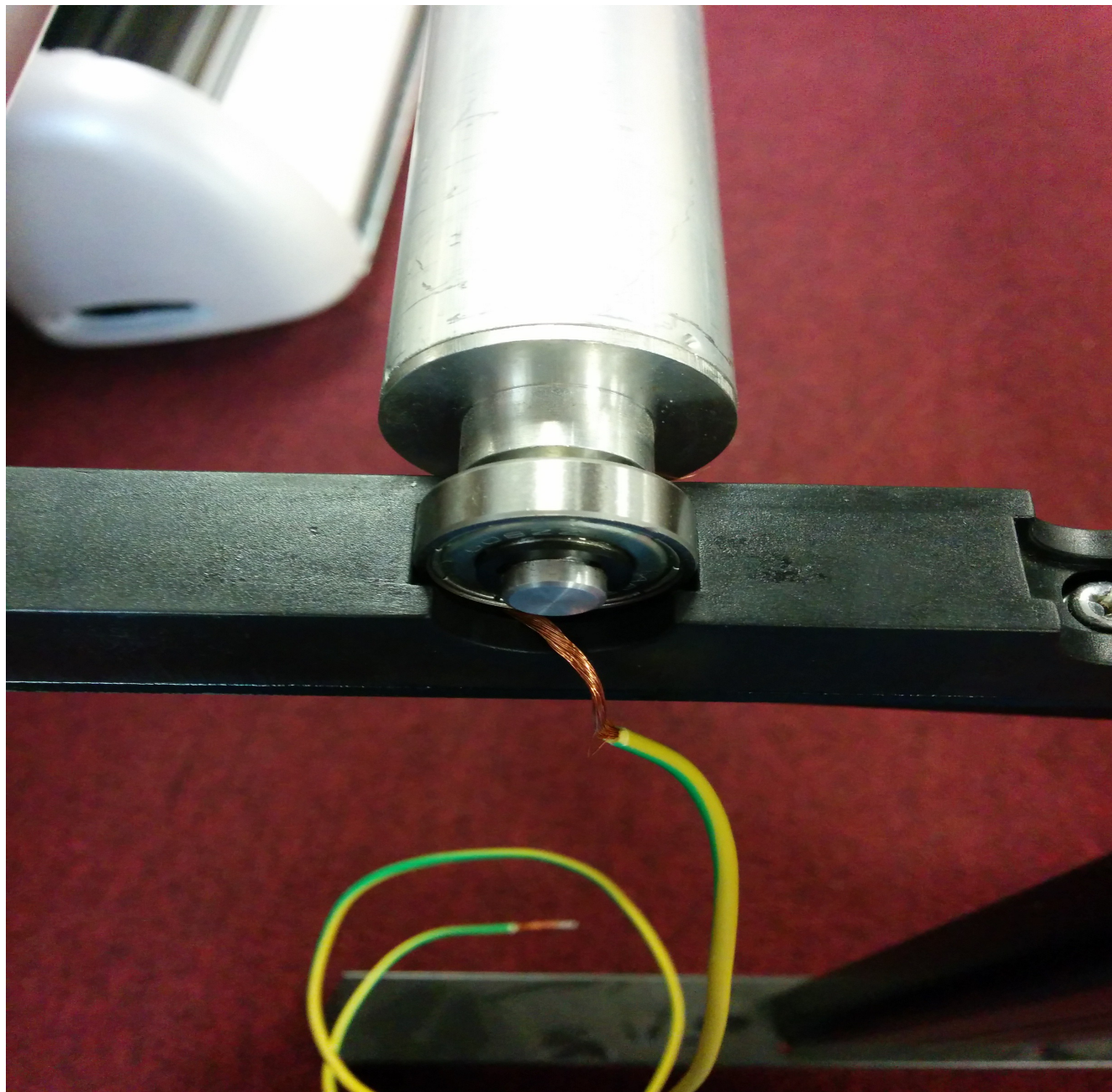
The vinyl rollers that hold the vinyl are metal but they are not grounded because they sit on the plastic brackets not touching metal at all.

View the example below. Please not that the SC and Laserpoint 2 have the same stand and vinyl rollers.

The first step is to remove one of the vinyl rollers from the plastic bracket.



Now take your stripped wire and stick it into the groove and then put the vinyl roller back on top. The weight of the roller will hold the wire in place.



Now take the other end and run it up to the the grounding screw.



So now you should have all the grounds going to the grounding screw. Now we will run one more wire from the grounding screw to the electrical outlet cover screw as circled in red in the picture below.



This completes the super grounding guide and please let us know if this helps you with your static issues.

