

Cleaning and Lubricating the Racks on the CNC Plasma Cutter

Background

The mechanism of the plasmatron operates in a very dirty environment. Besides normal dust and moisture, frequently the spray of dross from the torch impacts the racks on the machine. If left to themselves, they would eventually fill up with impacted material and cease to work reliably.

If the racks are cleaned and lubricated roughly every month, they will keep working for a long time. A clean machine is a happy machine.

Step 1: Clean the racks

Spray down the racks with Simple Green cleanser and brush them with a stiff-bristle brush (not a wire brush).



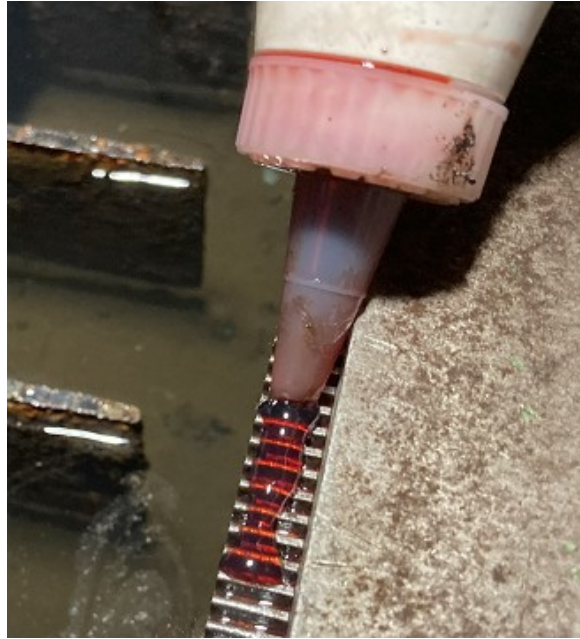
Step 2: Dry off

Take the air hose and blow off the racks to get rid of the cleanser.



Step 3. Lube

Open the bottle of rack lubricant and run a bead down the entire length of the racks.



Step 4. Run the gantry back and forth

This will press the lubricant into the teeth.

Step 5. Good to go!