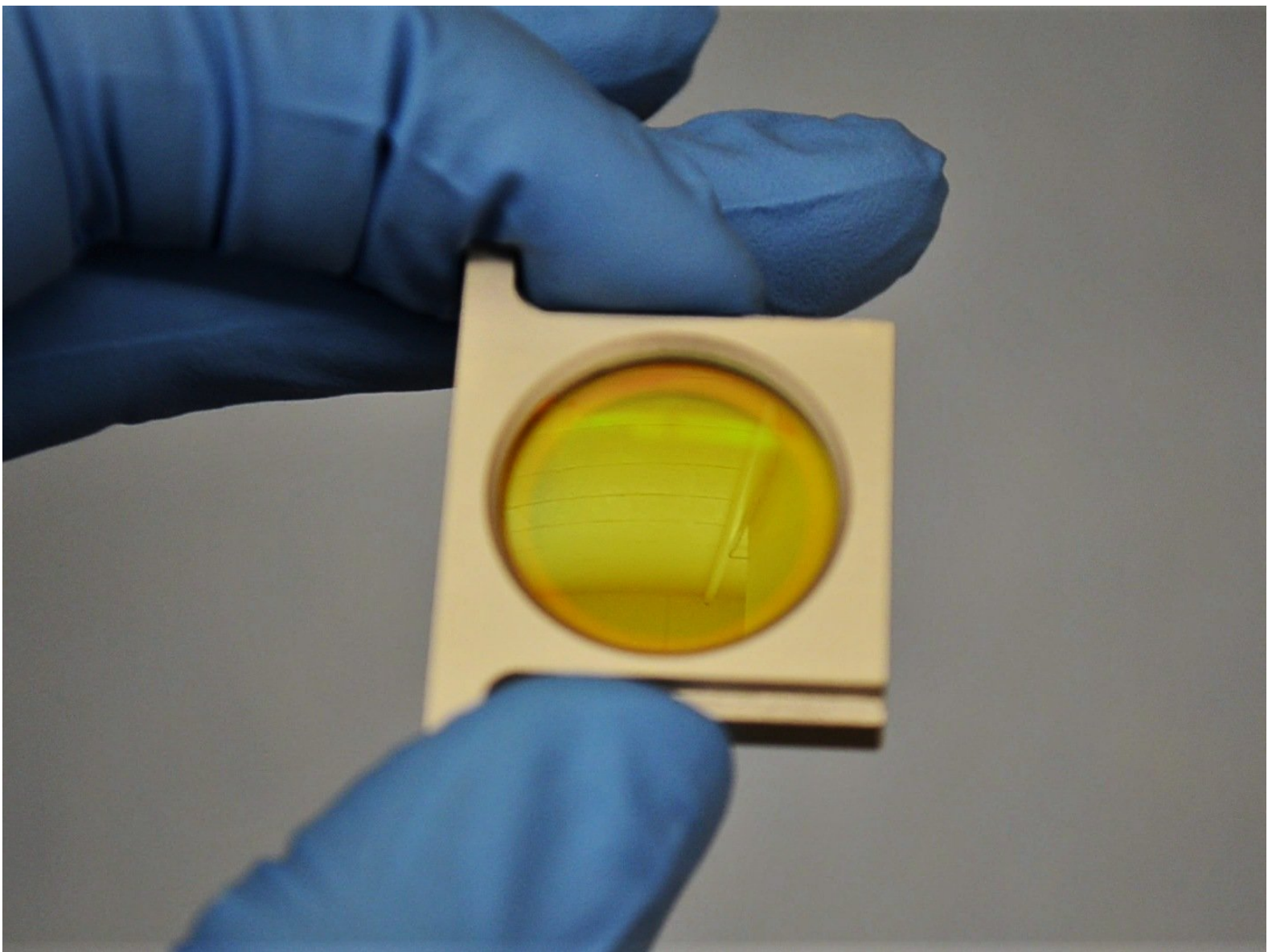




# Dremel Laser Cutter Maintenance

This guide will explain the procedures Keystone is expected to perform for the maintenance of the Dremel Laser Cutter.

**Written By: Nathan Young**

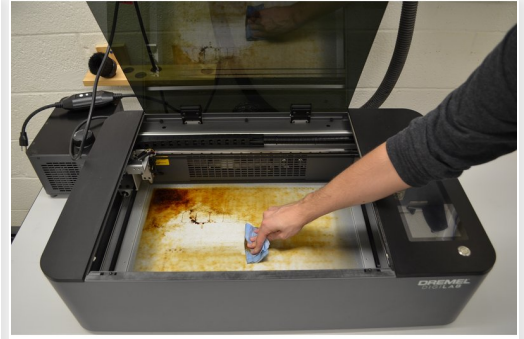
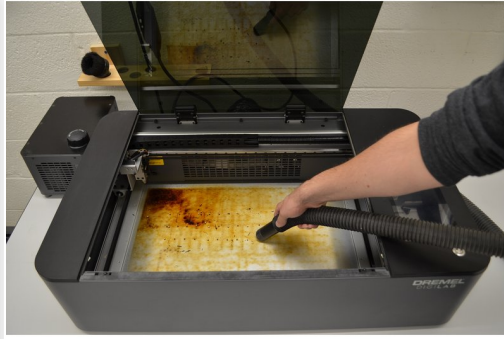




## TOOLS:

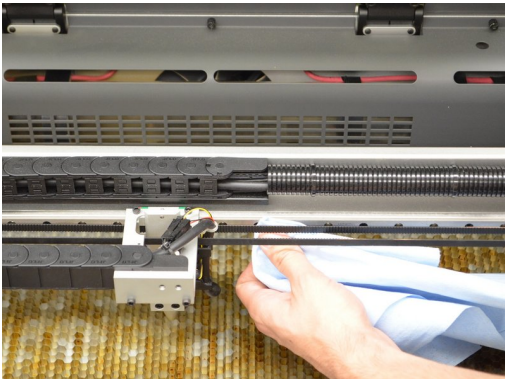
- [Zeiss Wipe](#) (1)
- [PEC-PAD](#) (1)
- [Nitrile Gloves](#) (1)

## Step 1 — Bed Cleaning (Daily)



- Remove the honeycomb.
- Use a vacuum to clean up any small parts.
- Use a damp shop towel to clean off any remaining dust/debris.

## Step 2 — General Machine Cleaning (weekly)



- With a shop towel wipe down:
  - X and Y rails.
  - Side panels.
  - Lid.

## Step 3 — Lens Cleaning (Weekly)



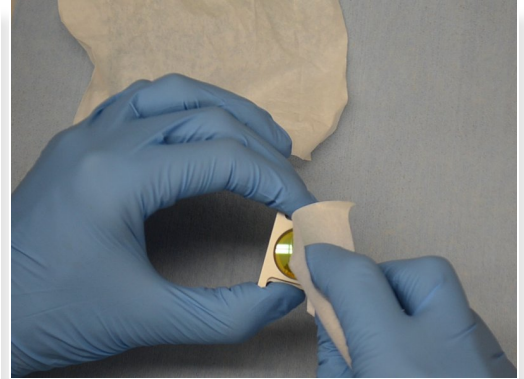
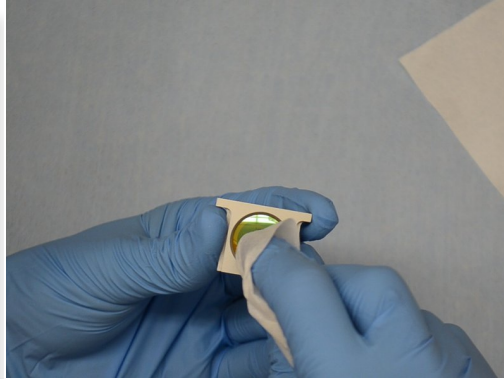
**⚠ Do not touch the lens directly.**

**⚠ Only hold the lens by the metal holder.**

- Set up a clean workspace.
  - Have a cleaning wipe and pec pads out and ready.
  - Place a clean cloth down on the table to place the lens down.
- Put on Nitrile Gloves.

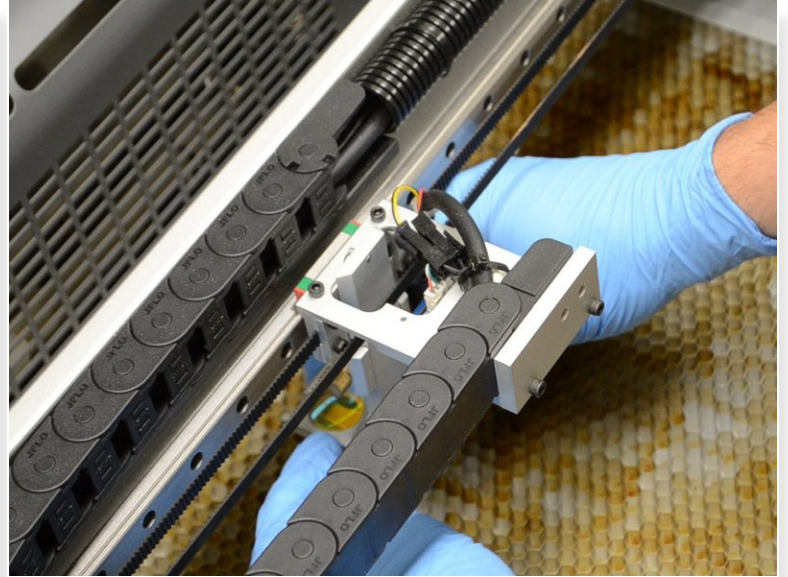
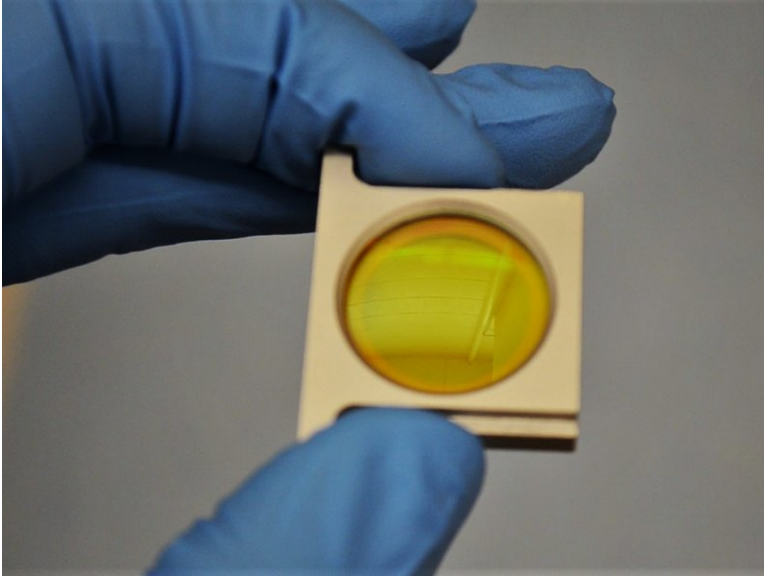


## Step 4 — Lens Cleaning Continued



- Remove the lens from the machine.
- Use a Ziesse wipe to clean one side at a time.
  - Lightly wipe the lens spiraling out from the center.
  - Use a new section of the wipe for each pass.
- ⓘ This prevents rubbing and debris over a clean area.
- Once debris is removed, lightly wipe with a dry PEC-PAD to dry and remove streaks.
- Repeat for both sides of lens.

## Step 5 — Lens Cleaning Continued



- Inspect both sides of the lens.
    - ① It can be helpful to hold the lens up to the light.
      - Check for any debris, streaks, or lint.
      - If any debris is left return to step 4.
  - Return lens to the machine.
    - ★ Make sure that the lens clicks in.
- ⚠ Be sure to not touch the lens while returning it to the head assembly.