



Nanoscribe: Objective Cleaning

This guide will show you how to properly clean the Nanoscribe 25x and 63x objectives.

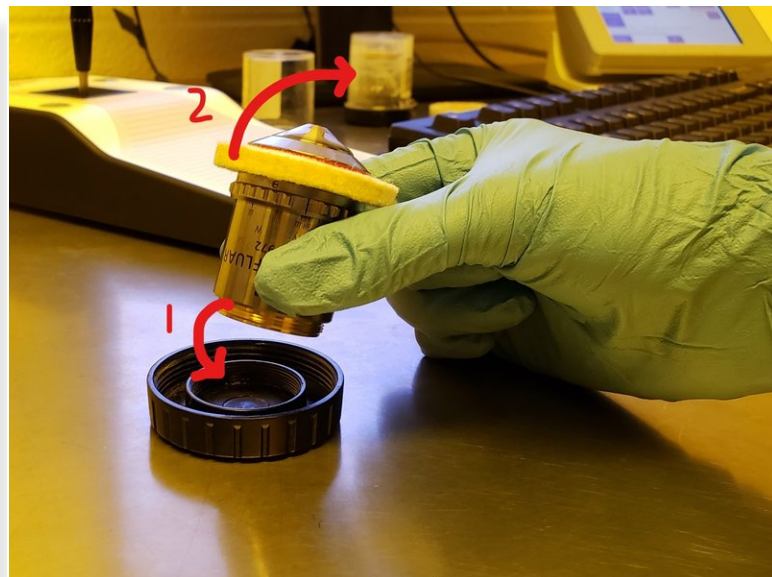
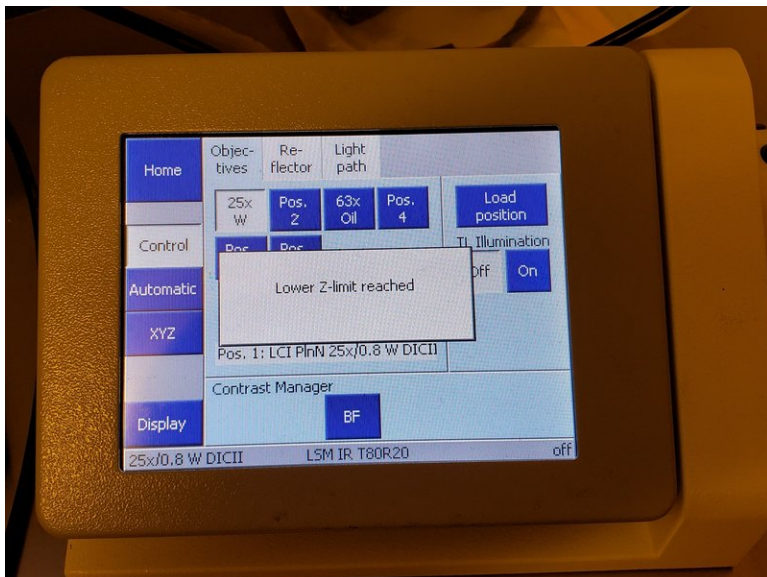
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Introduction

To complete this guide, you will need a clean microfiber cloth, IPA, PGMEA a nitrogen air gun, and either a 25x or 63x objective from the Nanoscribe. **Please make sure that NOTHING touches the objective lens other than IPA or PGMEA.**

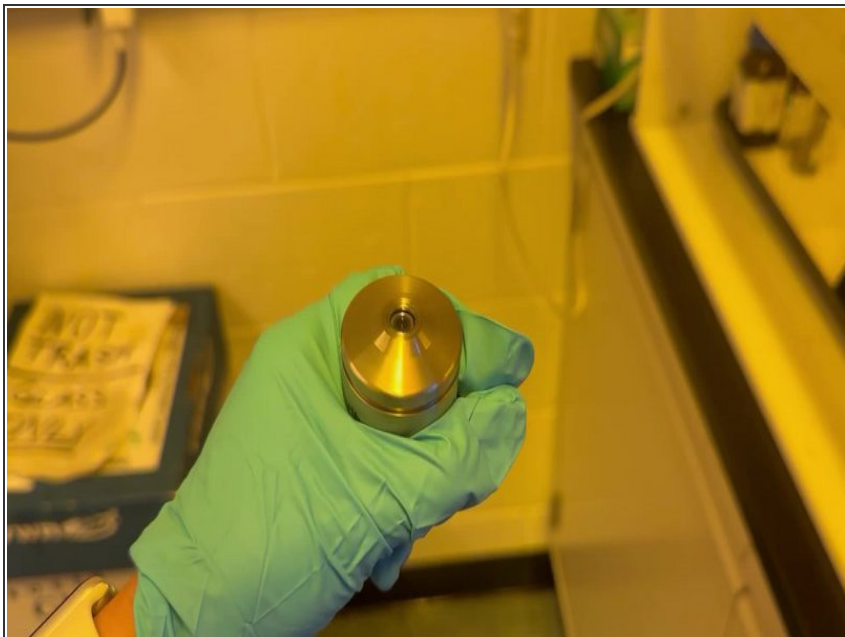
Step 1 — Remove the objective



⚠ Make sure that the microscope carousel has reached its lower Z-limit.

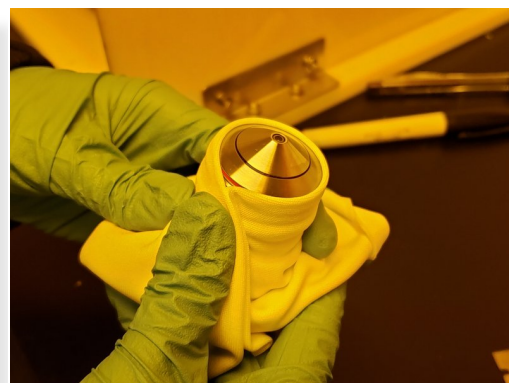
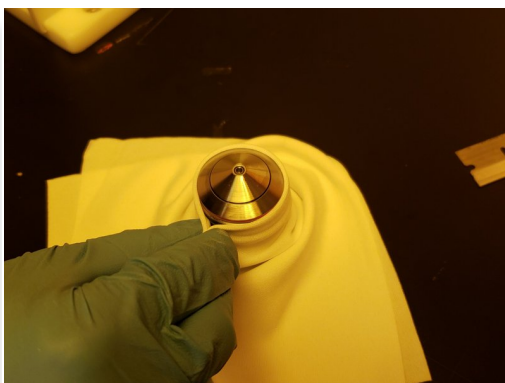
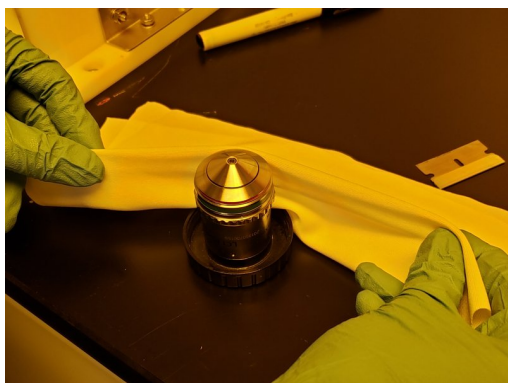
- Select the objective position on the microscope dock that corresponds to the objective you want to remove.
 - Remove the objective from the nosepiece and replace it with the small black cap.
 - Screw the objective into the black objective cap, then remove the felt ring (25x and 63x) or silicon resin pool (10x).
- i** See the [objective insertion/removal guide](#) for more information.

Step 2 — Initial resist/oil removal



- Wipe a microfiber cloth around the edges of the objective, making sure neither the cloth nor your fingers touch the objective's lens.

Step 3 — Wrap the objective



- Fold the microfiber cloth in half.
- Wrap the folded cloth around the objective.
- Pinch the ends of the cloth together and gently twist to pull the cloth tight.

Step 4 — Resist/oil removal using the nitrogen gun



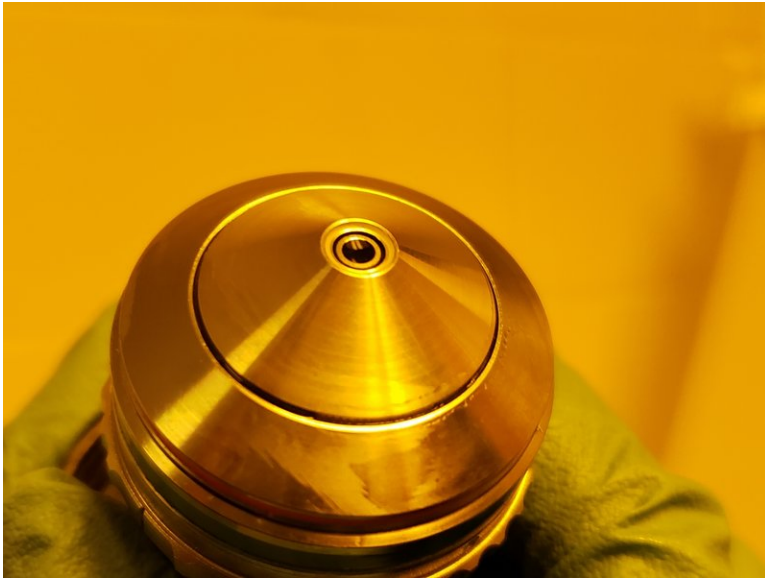
- Use the nitrogen gun to blow the resist/oil off of the lens.
- Wipe away any residue that was dislodged.
- Ensure the objective is properly wrapped before continuing.

Step 5 — Resist/oil removal using IPA



- Hold the objective at a 45° angle and drop IPA onto the lens.
- Blow dry the lens with nitrogen gas.
- Wipe the edges of the objective, if necessary.

Step 6 — Check for residue on the lens.



- Hold the objective so that light is reflected off the lens and check for any streaking or residual resist.
 - If the lens is clear, you're done!
 - If there are streaks or resist on the lens, continue to step 7.

Step 7 — Addition cleaning



- Re-wrap the objective and repeat steps 5-6.
- If the resist still won't come off, add a small drop of PGMEA to the lens before rinsing with IPA in step 5.