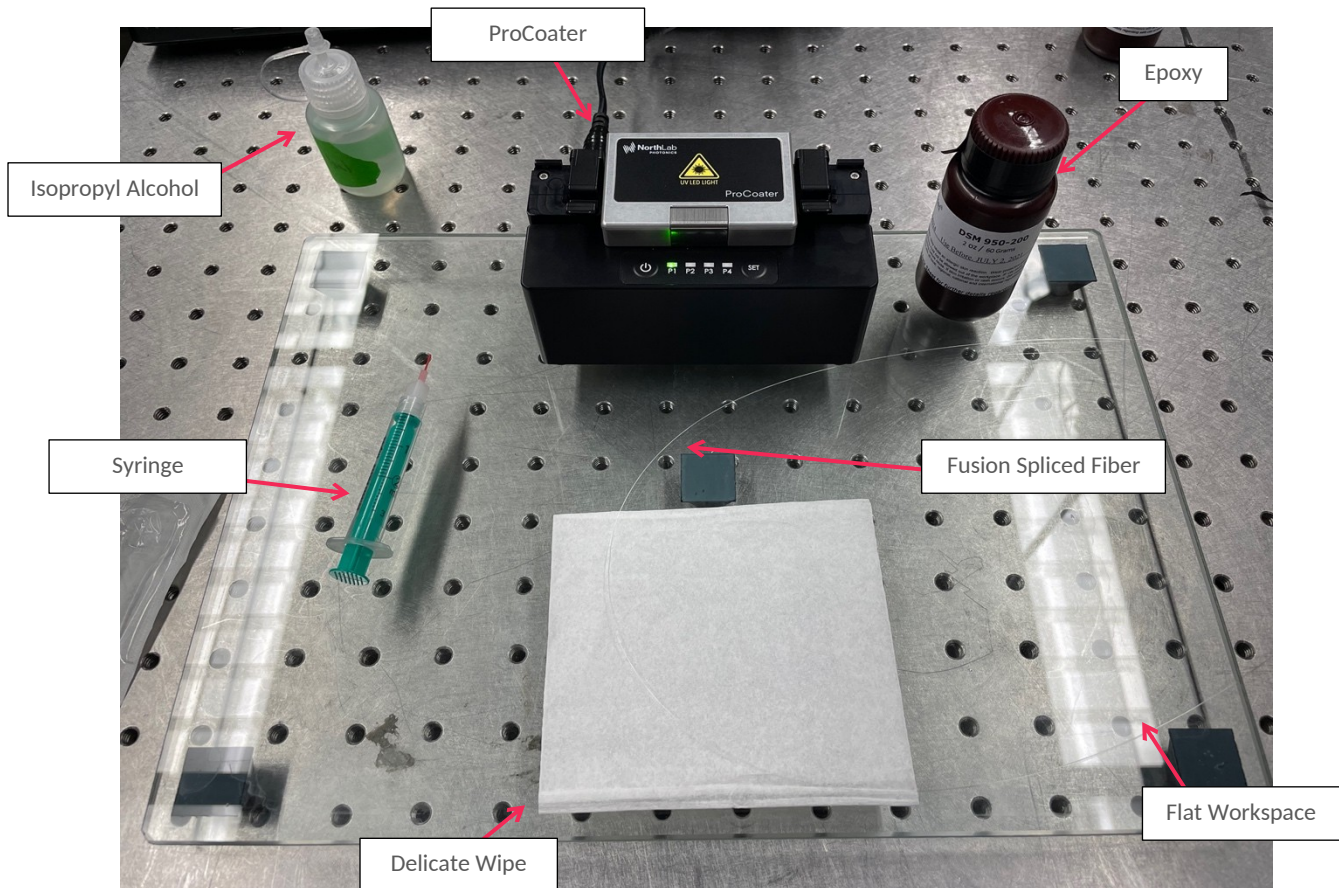


ProCoater READ ME

Before using the ProCoater, please read through the highlighted safety material in the data sheet for each of the UV-curing polymers.

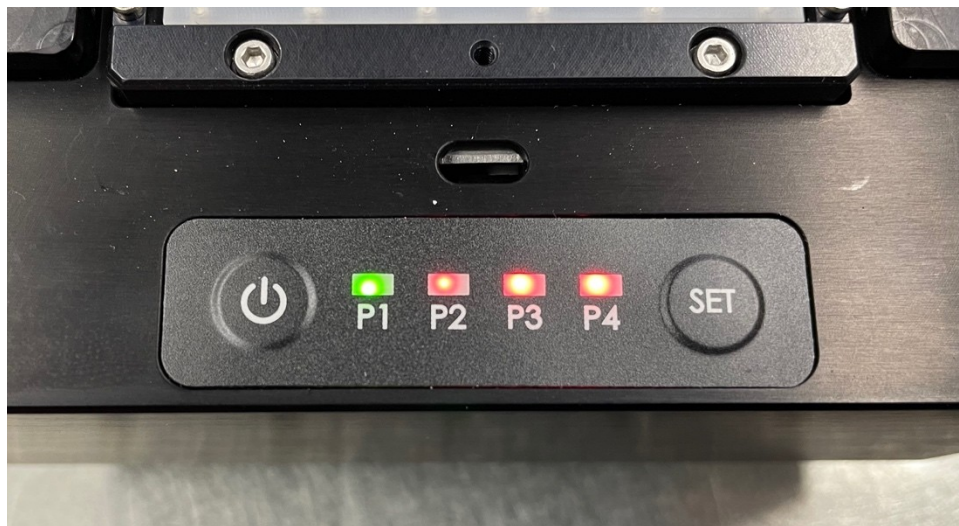


Important Notes:

Important: Before using this device ensure that there is no built-up residue from previous curing trials. If there is residue, clean the mold by using the tip of a cotton swab and some isopropyl alcohol.

Important: Do **NOT** use any sharp objects when applying the UV-curing polymer to the ProCoater. Damage to the mold is likely to occur and will compromise the coating process.

Important: Once the power button is pressed, four LED lights will display the amount of charge remaining on the battery of the ProCoater. If there are four RED lights lit up, then the ProCoater will likely fail to properly cure the epoxy.



Steps:

Wearing Personal Protective Equipment (PPE) is **REQUIRED** for using the ProCoater. This includes wearing rubber gloves, safety glasses, and a face mask.

Turn on the ProCoater and **WAIT** for the startup sequence to finish. Once finished select the appropriate cure setting for the epoxy you are using. The selected setting will be displayed on one of the four LED lights located on the top of the device.



Open the ProCoater by pressing on the safety shield button and rotate the cover of the coater to its open position. Rotate open the fiber clamps to their fully open position.

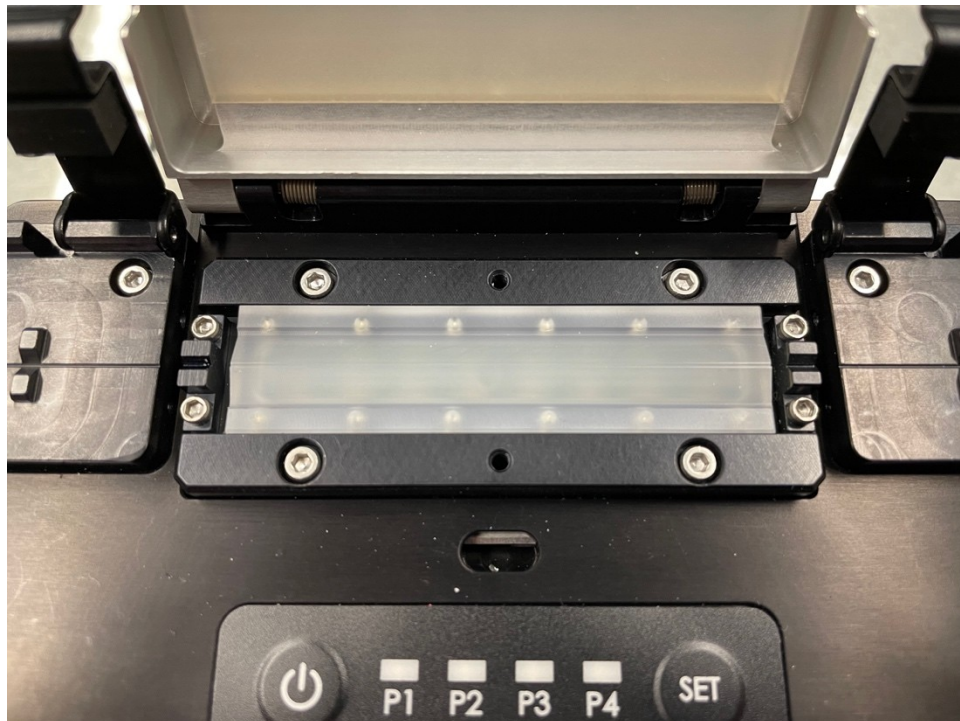


Taking the 25-gauge plastic needle, attach the needle to the disposable syringe by screwing it on to the Luer-lock firmly.

Pull out the plunger in the syringe and pour in a small amount of either DeSolite DF-0016 or DeSolite 950-200, but **NOT** both. These epoxies are different compounds and are used for different fibers.

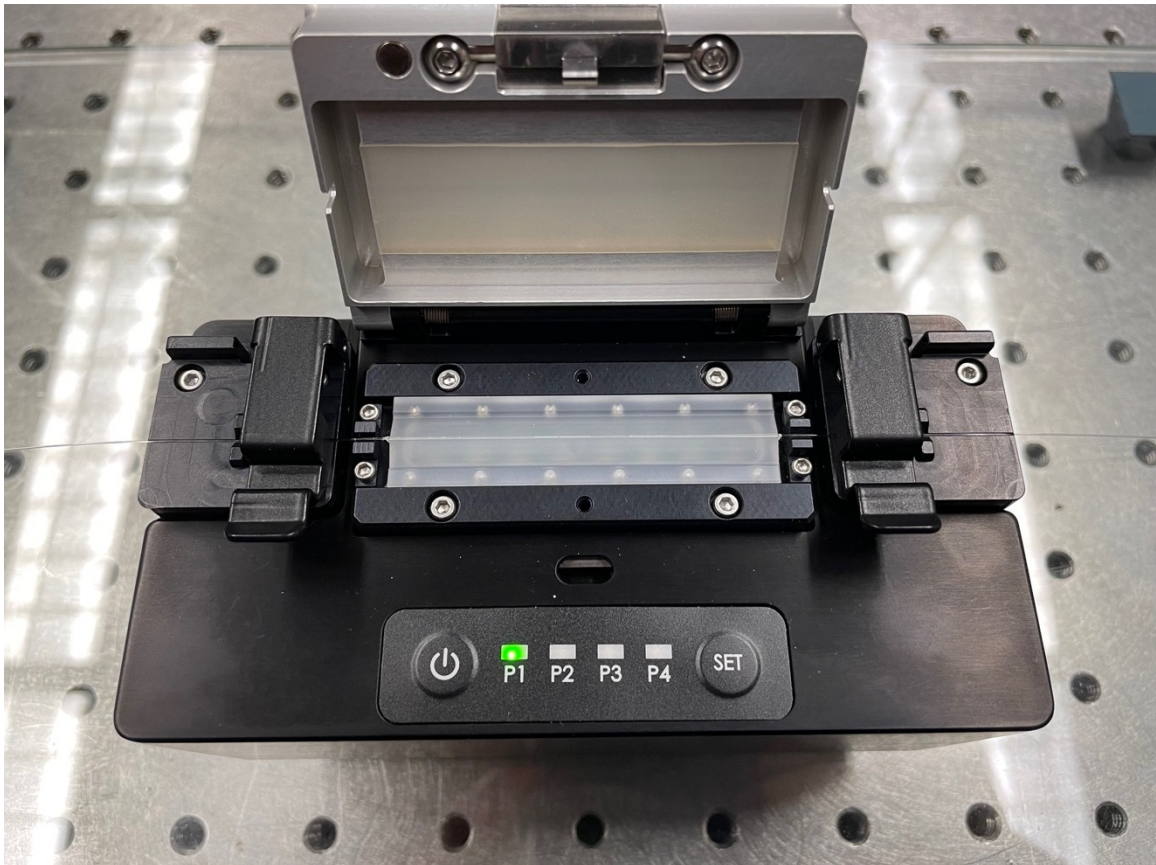
Plug in the plunger and rotate the needle vertical. Slowly push the plunger into the syringe until all the air escapes out of the tip of the plastic needle and a small bead of epoxy pours out. Wipe off any excess epoxy from the syringe and the needle.

Carefully apply the epoxy along the main channel of the mold. The line of applied epoxy should extend 2-3mm longer than the stripped fiber.



Place the center of the fusion spliced fiber in the center of the mold and secure the fiber down, in the fiber channels, with the fiber clamps.

After securing the fiber in the clamps, close the lid of the ProCoater and secure the latch by pressing the release. The lid should be firmly closed so that the UV light does not escape.



Press the “SET” button and wait for the flashing green lights to turn solid. The cure will be complete after one cycle. Open the safety cover of the ProCoater and release the fiber clamps. The fiber will be wedged in the mold so carefully remove the fiber by pulling **BOTH** ends of the fiber vertically.



After removal of the fiber, clean the mold delicately by using a delicate wipe and some Isopropyl alcohol. Close the safety lid of the ProCoater and turn off the device when done.