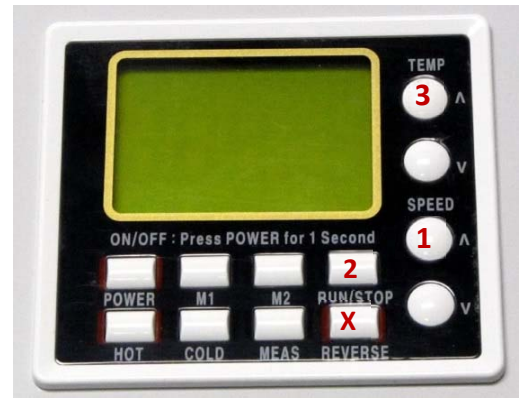
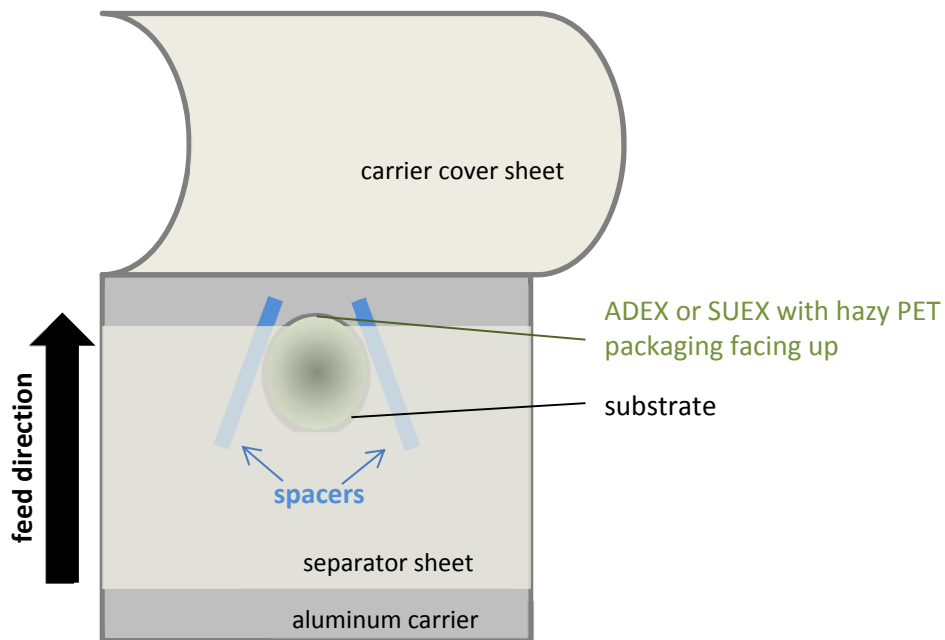


# SUEX Laminator Manual

Tool manager – Beth Rhoades 254-4918



1. Wear snugly fitting gloves.
2. Turn the laminator ON at the switch in the back.
3. Set the speed to 1 for about 1 ft. per min (button #1), and start the rollers (button #2).
4. Set the temperature with button #3. Note that the set temperature and actual temperature are vastly different. Use the posted values.
5. Set plastic storage boxes as stages on either side of the roller path. Allow the laminator to equilibrate for 5 minutes.
6. Assemble and clean the aluminum carrier.
  - a. Wipe away any residues from the Aluminum and carrier cover sheet with an acetone-wetted wipe.
  - b. Replace the carrier cover sheet if any dents will overlap onto the SUEX during lamination. Otherwise, they will transfer to your SUEX.
  - c. Insert 500-micron thick spacers for total thicknesses > 600 microns.



7. Assemble the substrate, separator sheet and polymer (ADEX or SUEX).
  - a. Lay the substrate on the bare aluminum.
  - b. Lay a separator sheet over the substrate.
  - c. Peel the shiny PET packaging from the polymer. **Leave the other side of packaging in place!**
  - d. Lay the exposed polymer side down atop the separator sheet, and align the polymer and substrate. Pull the separator sheet down to leave a 1-cm area of direct contact between substrate and polymer.

8. Laminate by feeding the aluminum carrier into the rollers.
  - a. Keep the carrier square with the sides of the laminator path. Keep the carrier cover open (folded over the rollers).
  - b. Watch for the moment that the substrate/polymer stack is caught by the rollers. At that moment, press the separator sheet against the aluminum sheet to prevent it from being dragged into the rollers. Allow everything else to be drawn in. Allow the carrier cover sheet to close as it goes in. Pull the separator sheet all the way off when the substrate has fully entered the rollers.
  - c. If your gloves or the separator sheet get drawn into the rollers, reverse the direction of the rollers (button X).
  - d. Make sure that the carrier doesn't stick on the edge of the plastic box as it exits.
9. Inspect the carrier, and clean any polymer off with acetone-wetted wipes.
10. Turn the laminator OFF at the switch in the back when finished.