

ReynoldTech Spinners Standard Operating Procedure

QUICK GUIDE



PROCEDURE OVERVIEW

1. Load existing recipe
2. Place appropriate chuck and sample, dispense resist and spin



CRITICAL PRECAUTIONS AND COMMON MISTAKES


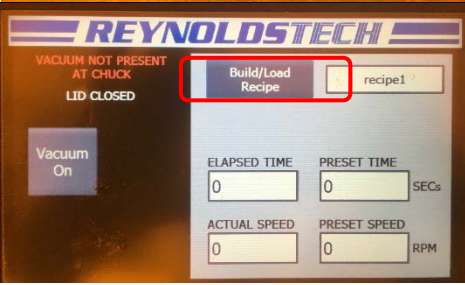
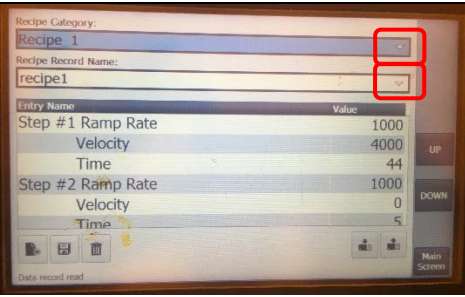
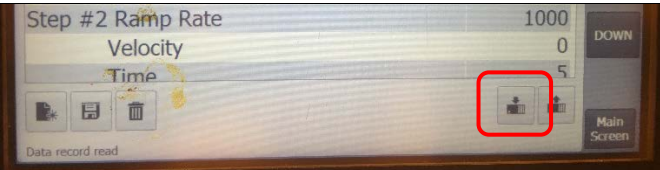

- Make sure the chuck is smaller than your sample
- If getting low vacuum error (star button does not show) push the chuck lower
- Do not use dirty gloves to smear resist or solvents over the touch screen

Tool condition for the next user


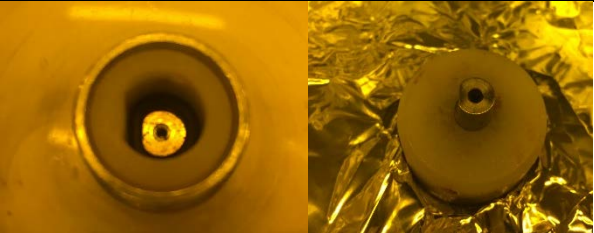


- Remove and clean the chuck

FULL PROCEDURE

A) Load existing job:

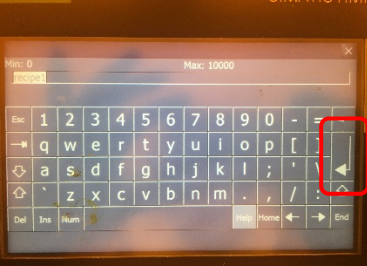
<p>1. You can use CLEAN hands, rubber stylus, or swab to touch the screen</p>	
<p>2. From the main menu, press "Build/Load Recipe"</p>	
<p>3. There are two lines. The top is categories and the bottom is for recipe name. The standard pre-set recipes are under "Recipe_1" category. Use the down arrows to go into drop down menus for both lines and select your recipe</p>	
<p>4. Press "Download" button. Bottom left text will read "Transfer complete"</p>	
<p>5. Go back to main menu by pressing "Main Screen". Your loaded recipe name will display in white box.</p>	

B) Place chuck, sample, and start process

<p>1. Select correct chuck: the metal part of the chuck must be smaller than the sample to avoid resist getting sucked into the motor.</p>	
<p>2. The chucks have a recess on the back. Align it with the cut on the spinner shaft and push it down.</p>	
<p>3. Place your sample on top and press "Vacuum On"</p>	
<p>4. Dispense resist or other polymer and press "Start Cycle".</p> <ul style="list-style-type: none"> • If the button did not appear, then the vacuum is not good enough: try cleaning your sample, the chuck and pressing the chuck down onto shaft. • If the countdown has started, but the sample is not spinning, stop the cycle and re-load the recipe. 	
<p>5. When the process is finished, turn off the vacuum and remove your sample. Place next sample OR remove and clean the chuck.</p>	

APPENDIX A:

Creating new recipe

<p>1. Do not create your own recipes under Recipe_1 category. Go to different category, any custom recipes in first category will be deleted.</p>	
<p>2. Instead of clicking down arrows to enter drop down menu, press on the recipe name on the second line to enter the name of your new recipe. Type in the name and press enter button.</p>	
<p>3. Modify your parameters for acceleration, velocity and time for as many steps as you need. Last step is determined by having all zeroes in the values. When done, press save button.</p>	