

User's Guide

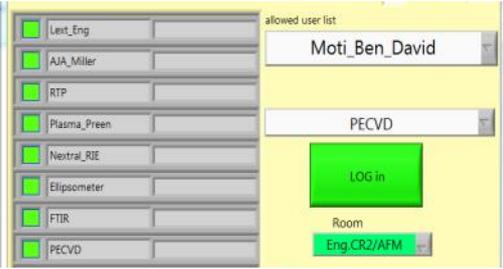
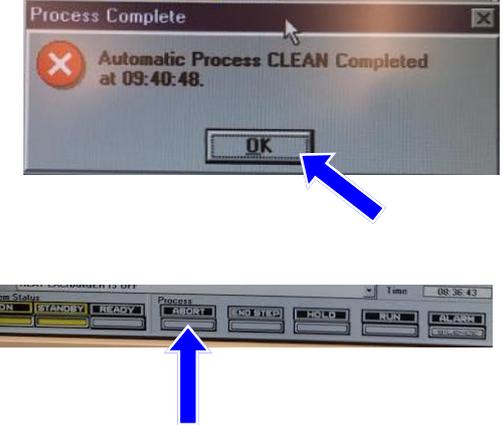
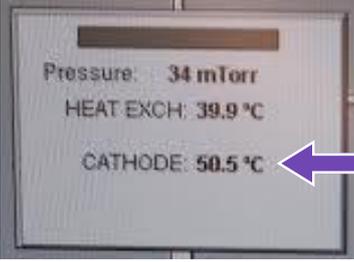
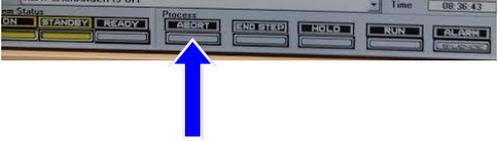


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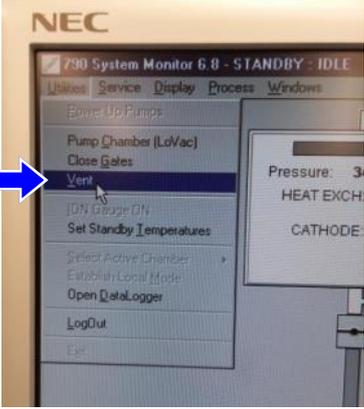
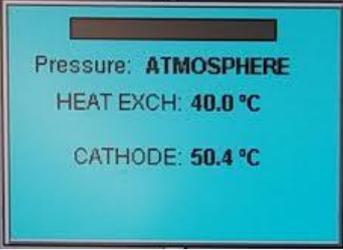
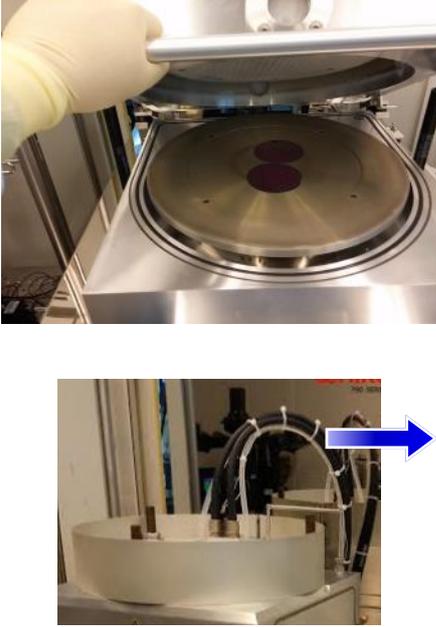


Initial steps

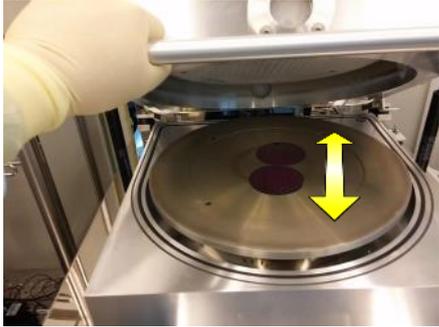
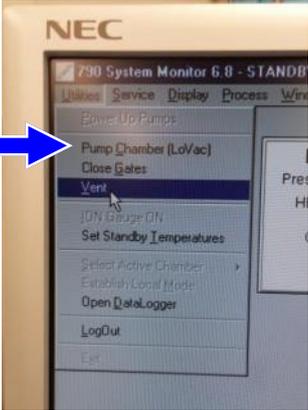
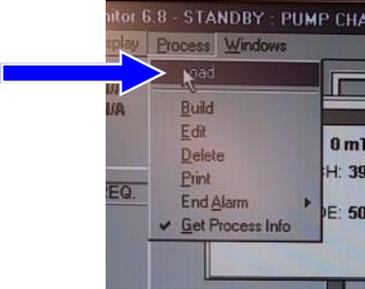
1	Log in to control program	
2.	<p>If the <i>AUTOMATIC PROCESS COMPLETED</i> window is on the screen,</p> <p>Press <i>OK</i> button</p> <p>Immediately press <i>ABORT</i></p> <p>to change the system status from <i>READY</i> to <i>STANDBY</i></p>	
3.	<p>If the <i>AUTOMATIC PROCESS COMPLETED</i> window is <u>NOT</u> on the screen,</p> <p>Make sure the <i>CATHODE</i> temperature is 50°C</p> <p><u>before</u> venting the chamber</p>	
4.	<p>If the <i>CATHODE</i> is hot and the system at the <i>READY</i> mode</p> <p>Press <i>ABORT</i></p> <p>to change the system status from <i>READY</i> to <i>STANDBY</i></p>	
5.	<p>If the <i>CATHODE</i> is hot and the system at the <i>STANDBY</i> mode,</p> <p>Wait until it cools to 50°C</p>	



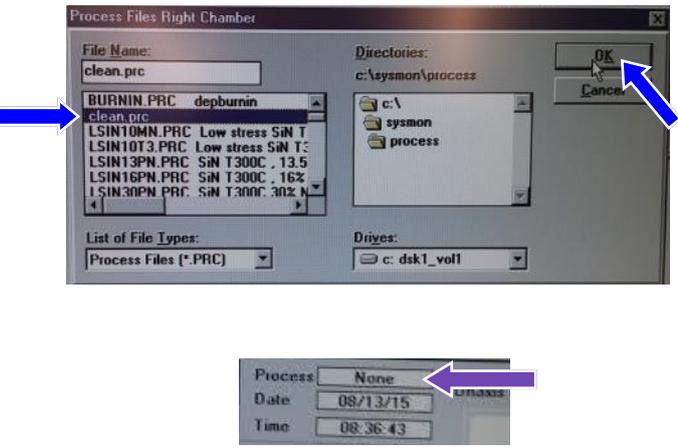
Inserting Samples

<p>6.</p>	<p>To vent the chamber</p> <p>Click the <i>UTILITIES</i> menu and click <i>VENT</i></p>	
<p>7.</p>	<p>Wait until the chamber reaches atmospheric pressure</p>	
<p>8.</p>	<p>Open the chamber</p> <p>You will have to move the cables slightly to the right</p> <p>If the lid does not support its own weight, you will have to hold it up</p>	

Inserting Samples

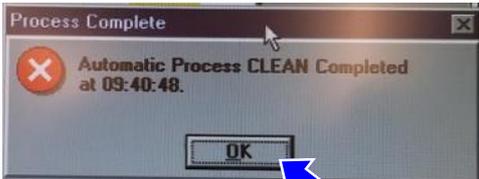
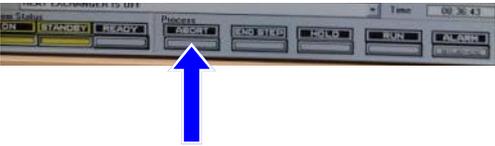
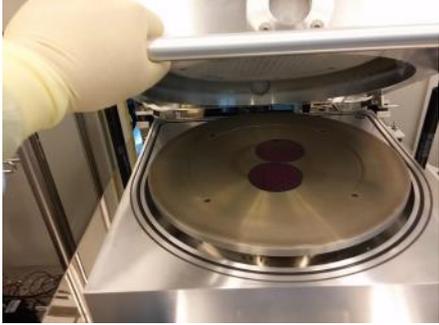
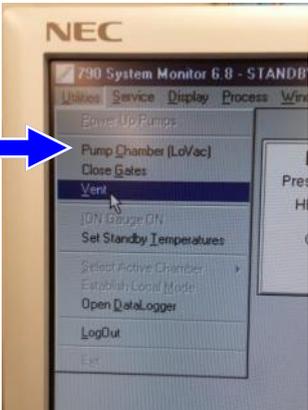
9.	<p>Place wafers/dies on cathode</p> <p>For wafers, it is best to wiggle them slightly until friction is felt to remove air film underneath</p>	
10.	<p>Close the lid</p> <p>Click the <i>UTILITIES</i> menu and click <i>PUMP</i></p>	
11.	<p>Wait until screen reads <i>PUMPING WITH LOVAC PUMP</i></p>	
12.	<p>Click the <i>PROCESS</i> menu and click <i>LOAD</i></p>	

Load & Run Existing Recipes

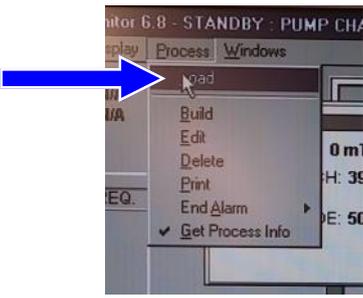
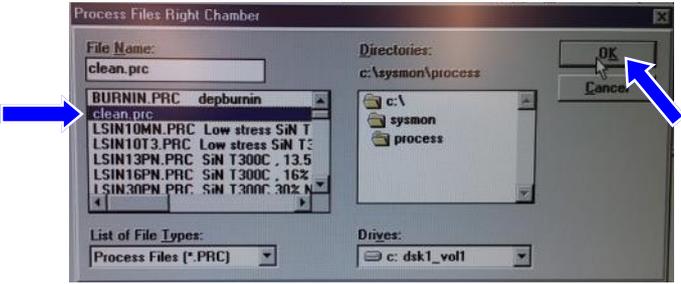
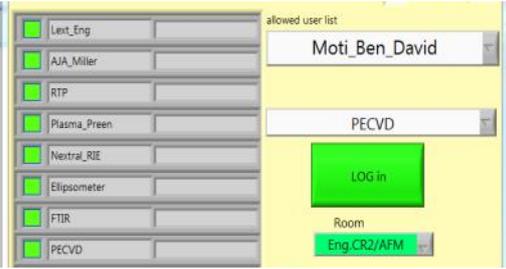
<p>13.</p>	<p>Select desired process from the list</p> <p>Click OK</p> <p>The process name will appear in the <i>PROCESS</i> window</p>	
<p>14.</p>	<p>Press the READY button and then the RUN button</p>	
<p>15.</p>	<p>It will take about 20 minutes for the cathode to reach the process temperature</p> <p>You must be present for the entire process until the <i>COOL DOWN</i> step</p>	
<p>16.</p>	<p>If there is a warning during the process (e.g. cathode temperature is out of range)</p> <p>Press <i>HOLD</i> button to continue</p>	



Extracting Sample(s)

17.	Cool down will take about 3 1/2 hours	
18.	<p>When the process has completed</p> <p>Press <i>OK</i> button</p> <p>Immediately press <i>ABORT</i> to change the system status from <i>READY</i> to <i>STANDBY</i></p>	 
19.	<p>Make sure the <i>CATHODE</i> temperature is 50°C</p> <p>Open the chamber and extract sample(s)</p>	
20.	<p>Close the lid</p> <p>Click the <i>UTILITIES</i> menu and click <i>PUMP</i></p>	

Cleaning the Chamber

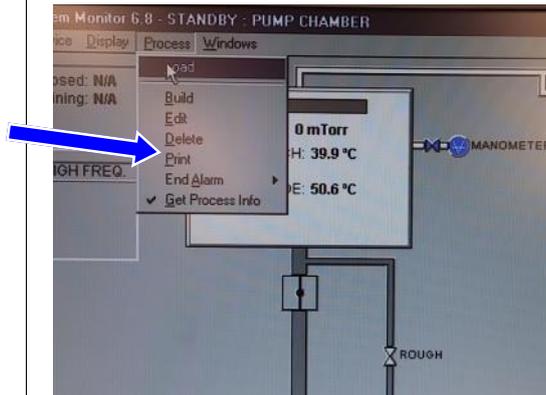
<p>21.</p>	<p>Click the <i>PROCESS</i> menu and click <i>LOAD</i></p>	
<p>22.</p>	<p>Select the <i>CLEAN</i> process Press <i>OK</i></p>	
<p>23.</p>	<p>Wait until screen reads <i>PUMPING WITH LOVAC PUMP</i></p>	
<p>24.</p>	<p>Press the <i>READY</i> button and then the <i>RUN</i> button</p>	
<p>25.</p>	<p>Log off control program</p>	



Editing Recipes

26.

Click the *PROCESS* menu
and click *EDIT*

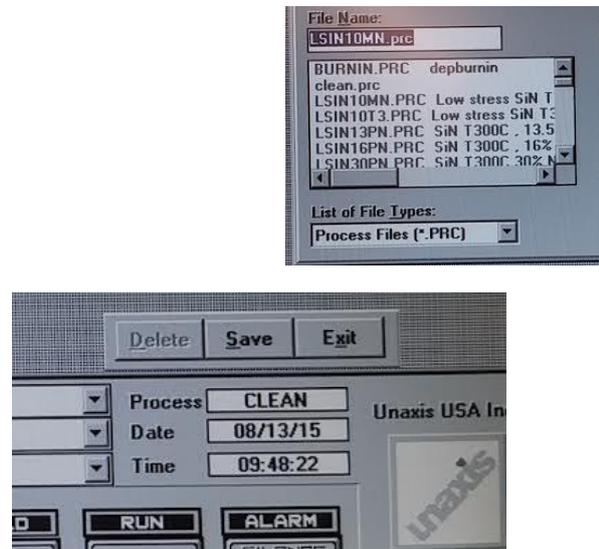


27.

Select the desired process
from the list

Change appropriate
parameters

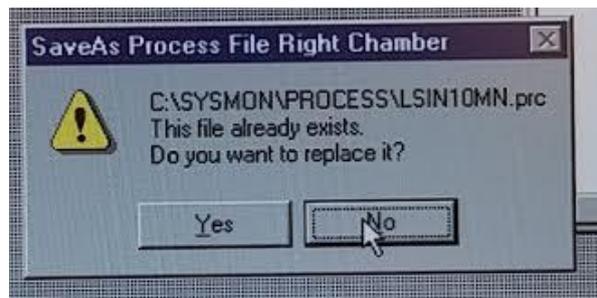
Press the SAVE button



28.

**SAVE UNDER A DIFFERENT
NAME**

Reload the new recipe



29.

DO NOT EDIT EXISTING RECIPES

Aborting Process

30.

You may partially skip the cooling step.

You must wait for the temperature to drop below 100C before you are permitted to do so

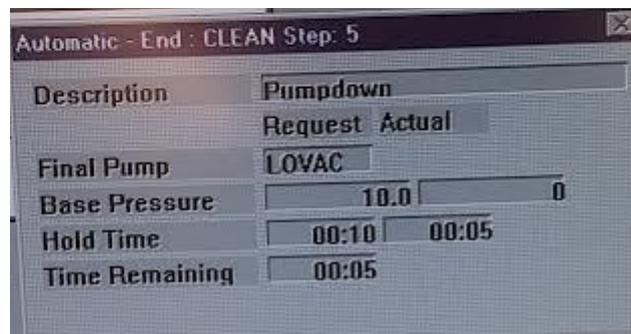
31.

Press END STEP button



32.

Wait for the pump down step to finish



Automatic - End : CLEAN Step: 5	
Description	Pumpdown
	Request Actual
Final Pump	LOVAC
Base Pressure	10.0 0
Hold Time	00:10 00:05
Time Remaining	00:05

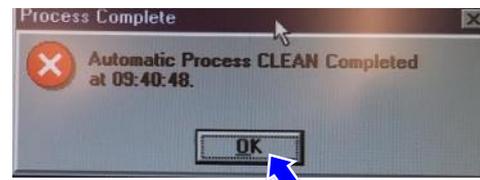


Aborting Process

33.

Press OK

To acknowledge that the process is finished



34.

Click *ABORT* twice

