

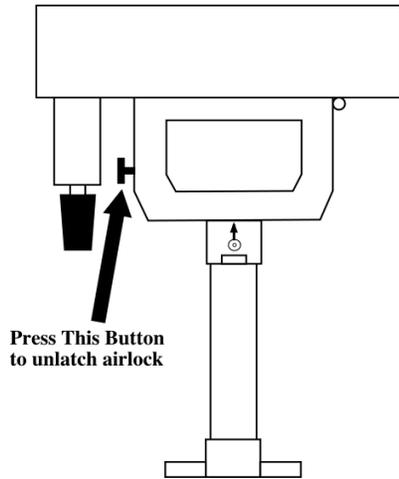
**University of Arizona
CAMECA SX100**

**Sample Change
Part 2**

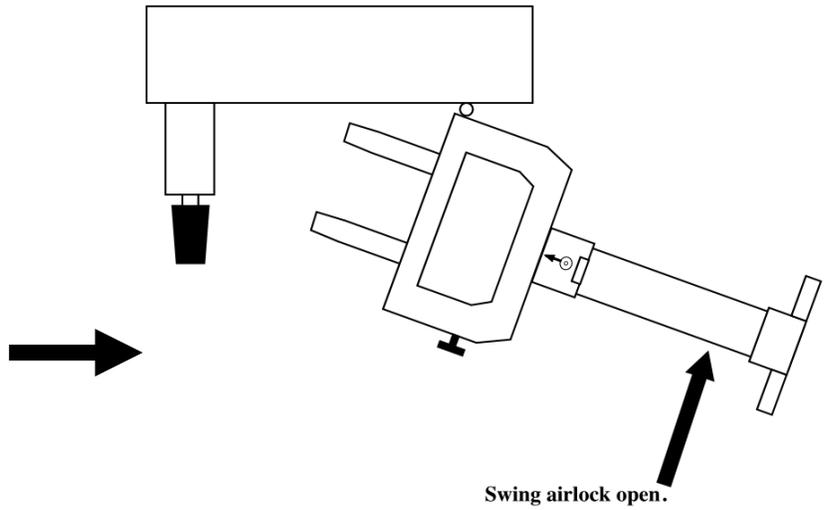
Inserting a Shuttle

Step 1. Put shuttle in outer airlock:

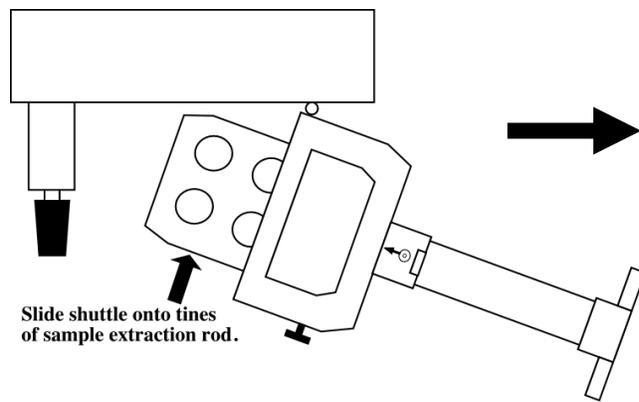
A:



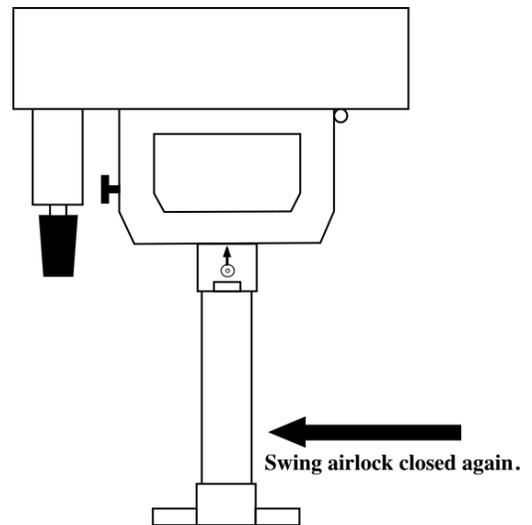
B:



C:

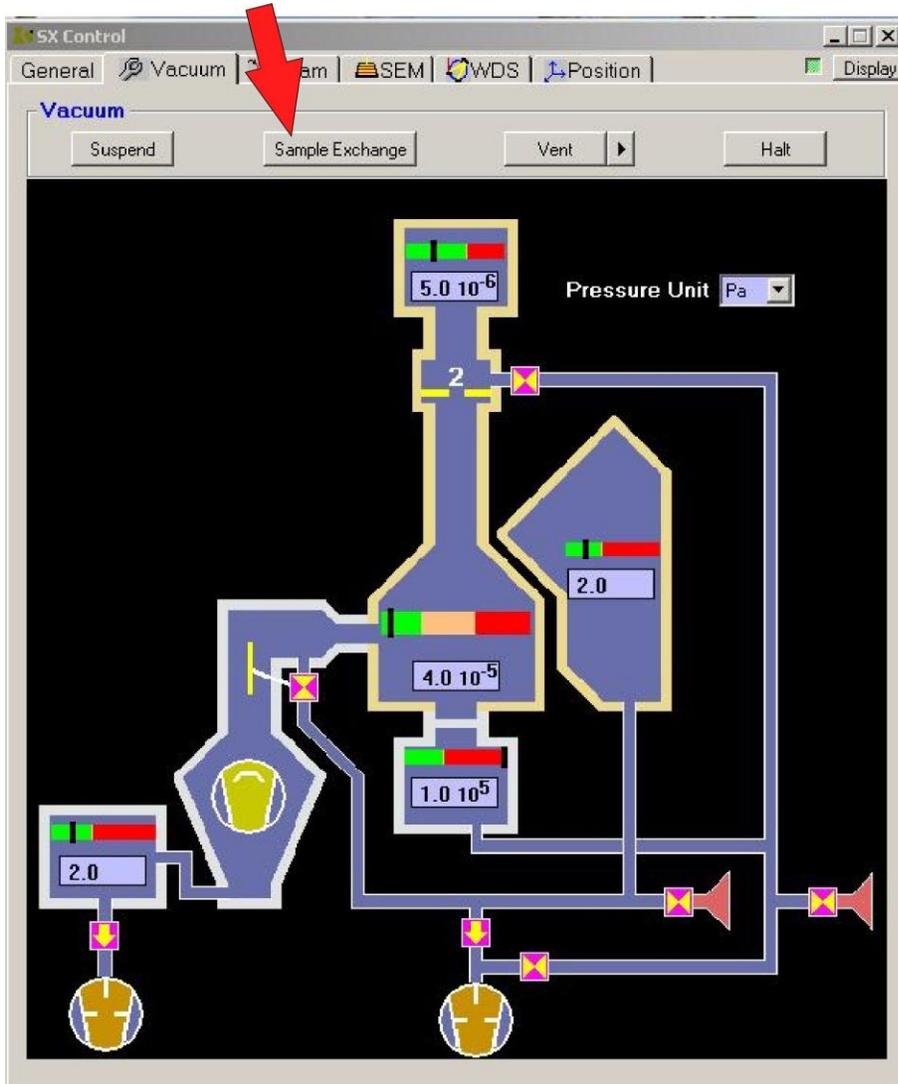


D:



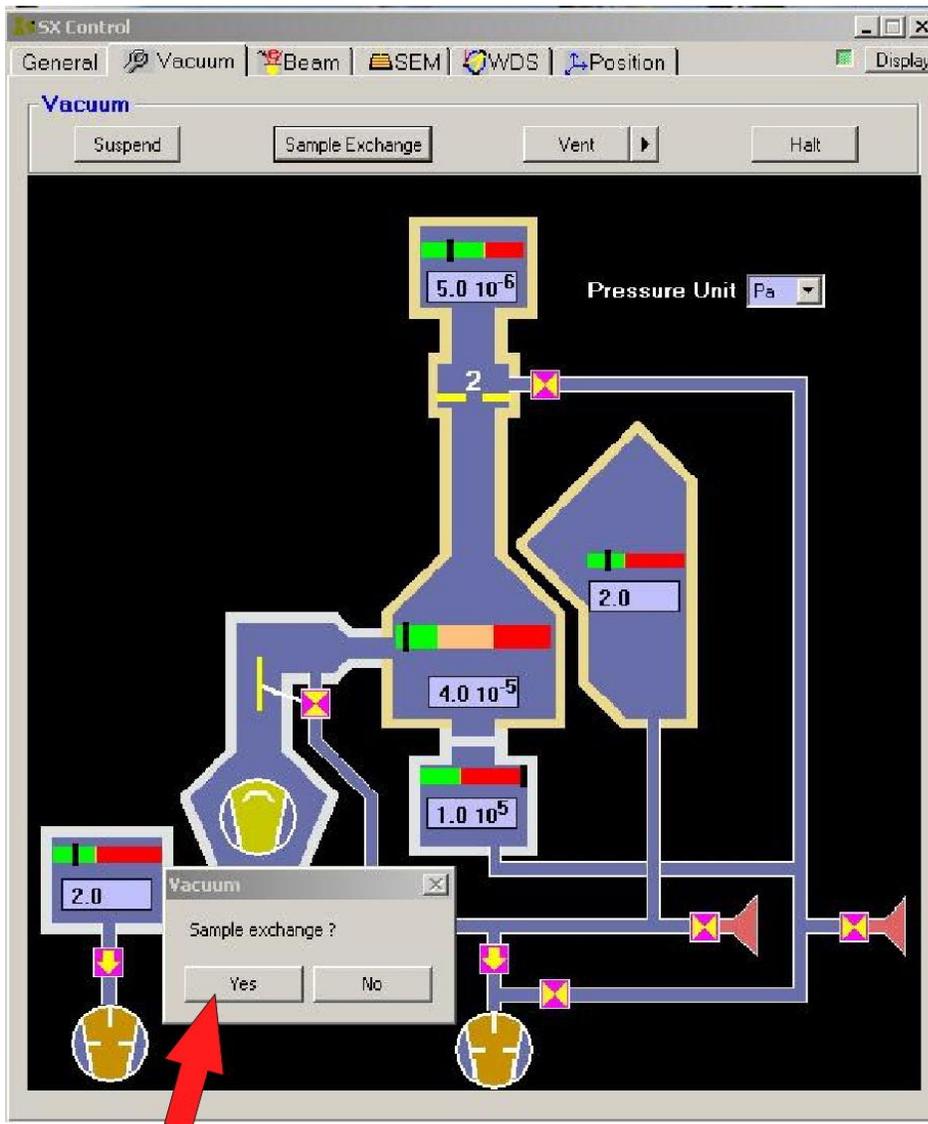
Step 2

Press This Button



Step 3

Confirm that you want to do a Sample Exchange.



Press This Button

IMPORTANT

If Gun Valve is in position 2 – Go to Step 4

Otherwise:

If Gun Valve is in position 1 – Go to Step 5

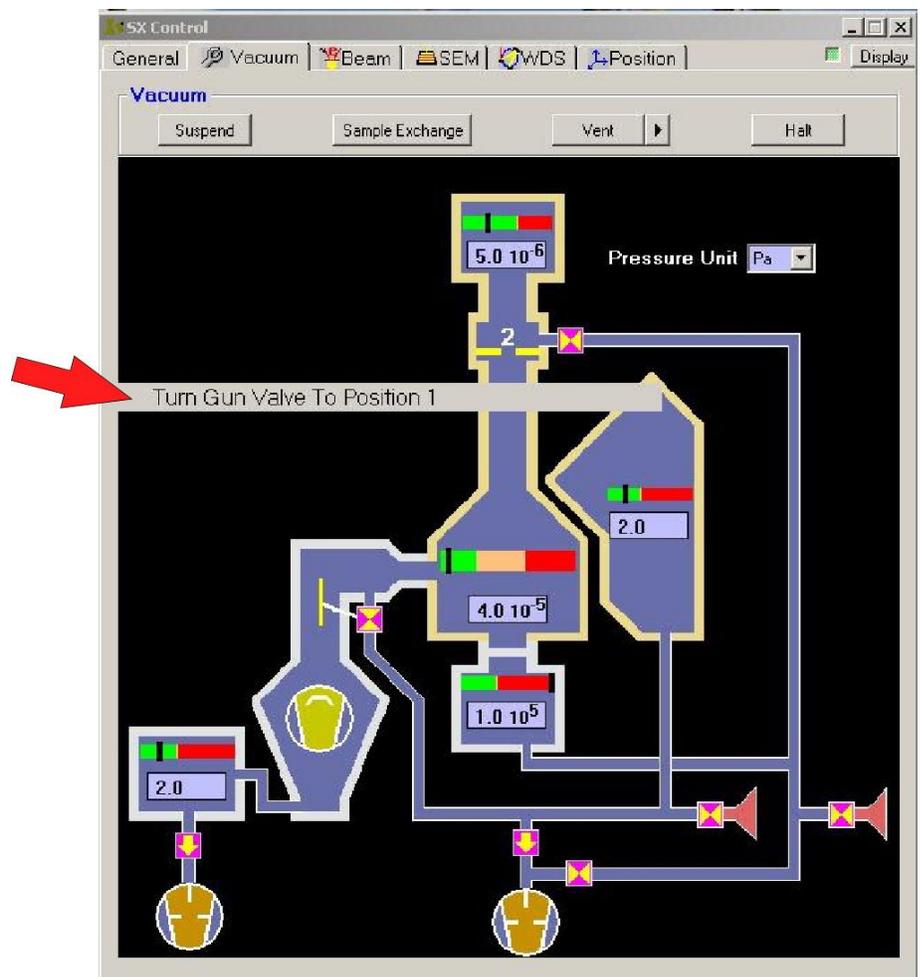
Step 4

Wait for the message: “Turn Gun Valve to Position 1”.

Then:

Turn the
big black knob
all the way
clockwise.

(i.e. the
number 1 is
facing
towards the
computer).



Step 5

VERY IMPORTANT

WAIT!

Until:

Both these numbers are less than 9.0.

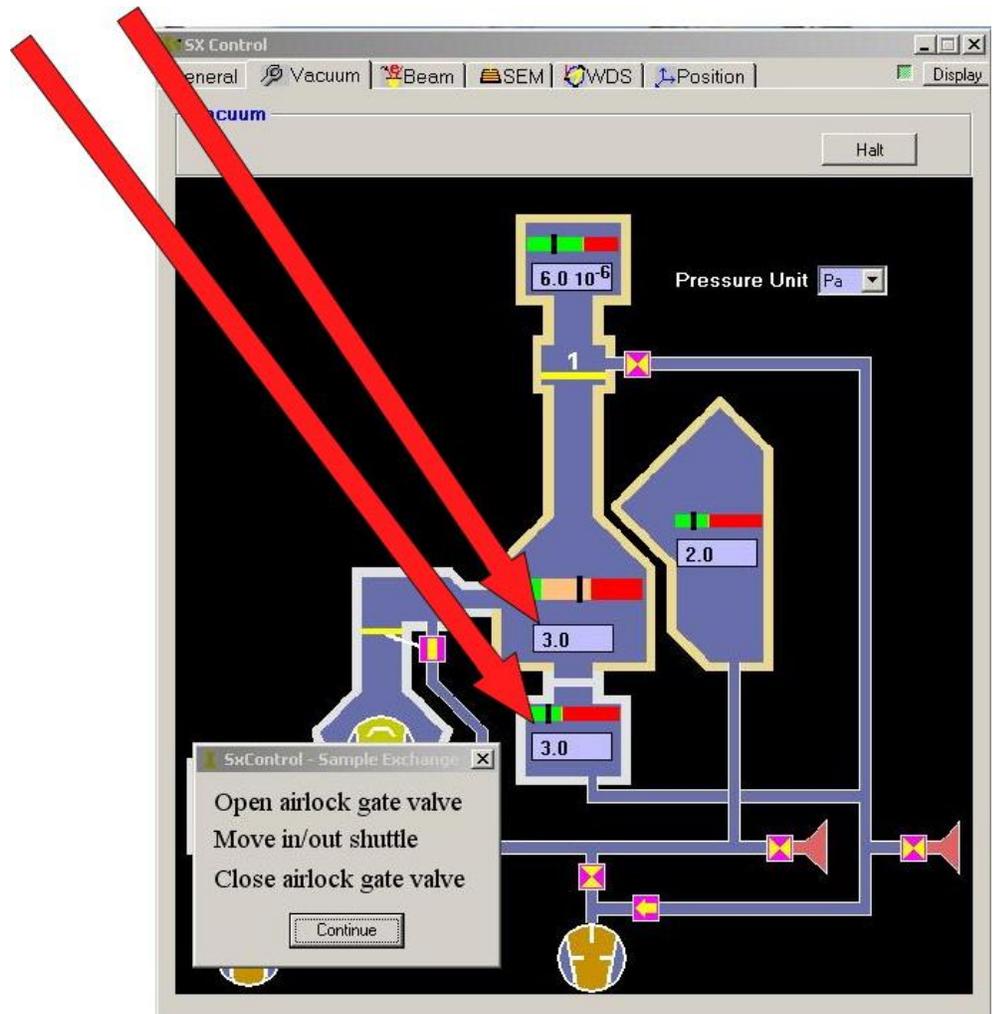
Then:

Go To Step 6

Note:

Do NOT

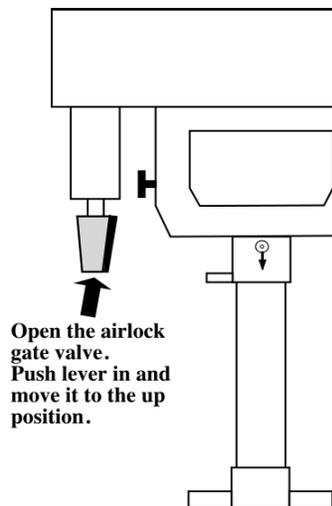
**Press “Continue”
At this time.**



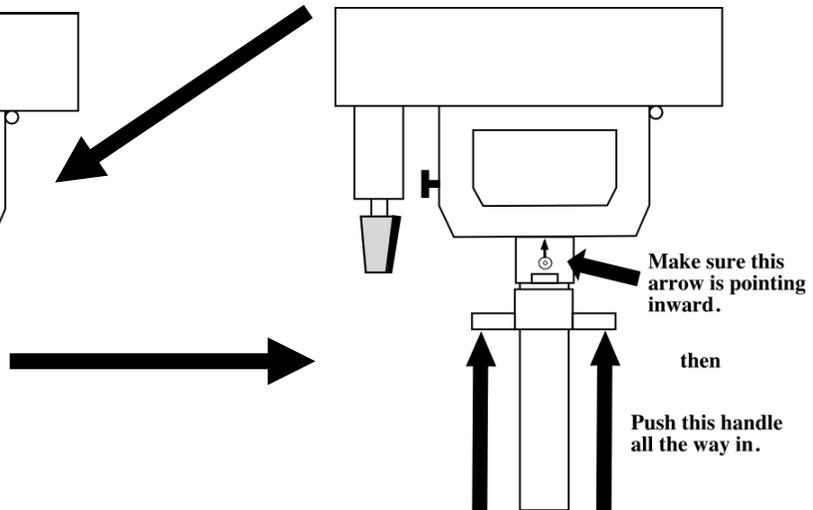
Step 6

Insert the shuttle into the sample chamber.

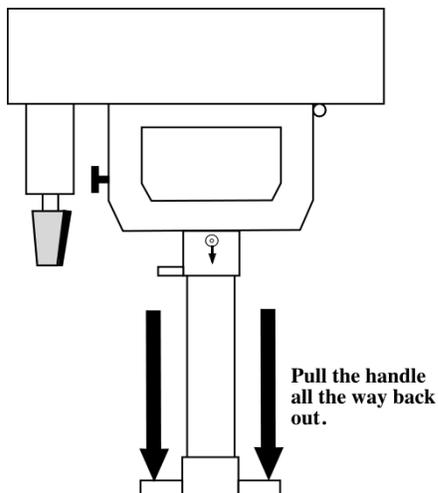
A: Open Airlock



B: Insert Shuttle



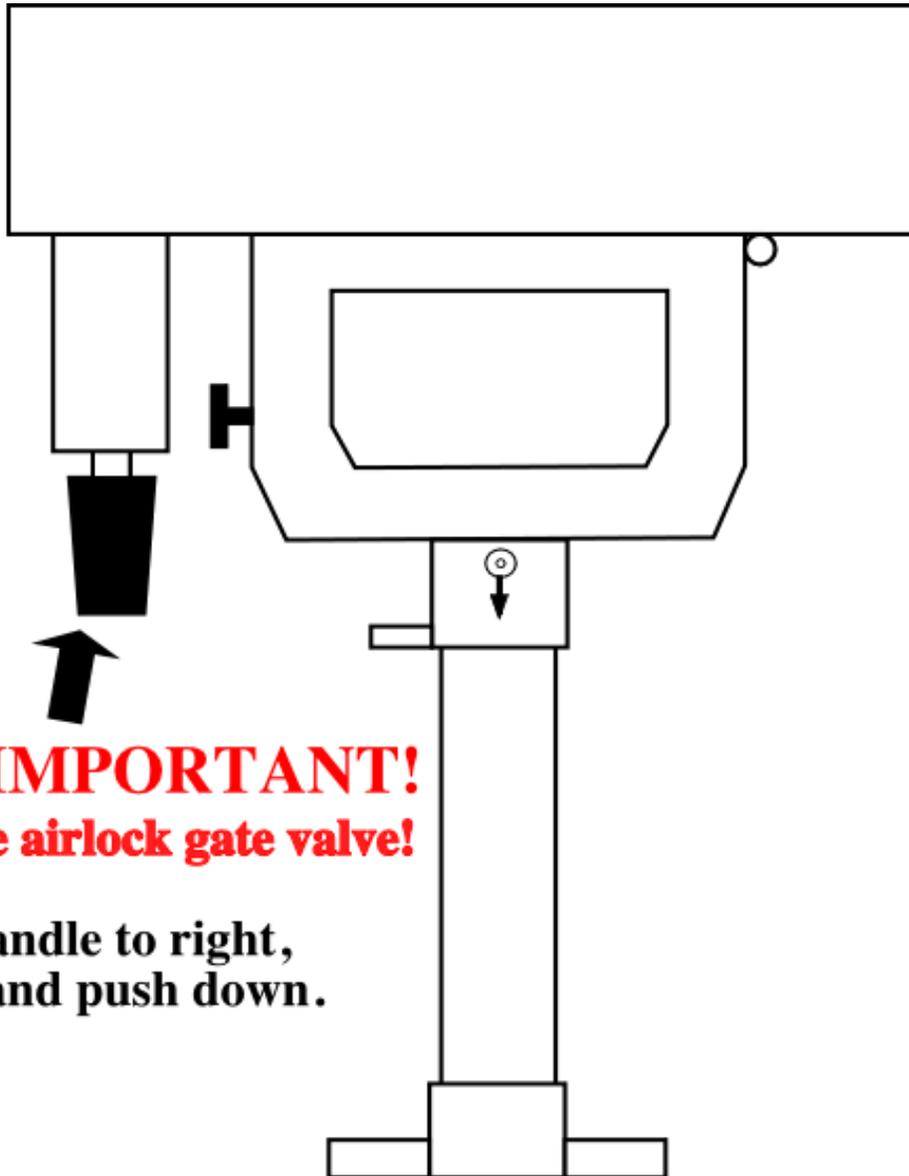
C: Extract Rod



D: GO TO STEP 7

Step 7

E: Close Airlock!!!



VERY IMPORTANT!
Close the airlock gate valve!

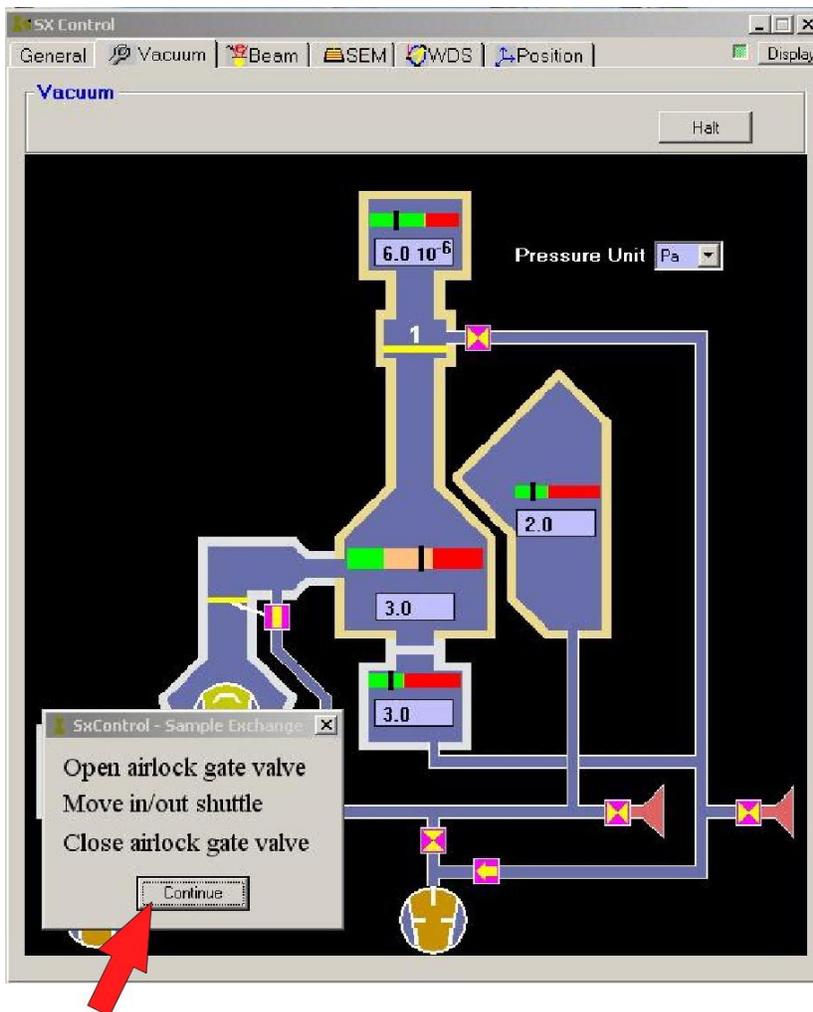
**Twist handle to right,
push in and push down.**

Step 8

VERY IMPORTANT

Double check that the Airlock Gate Valve is closed.

Then:



Press This Button

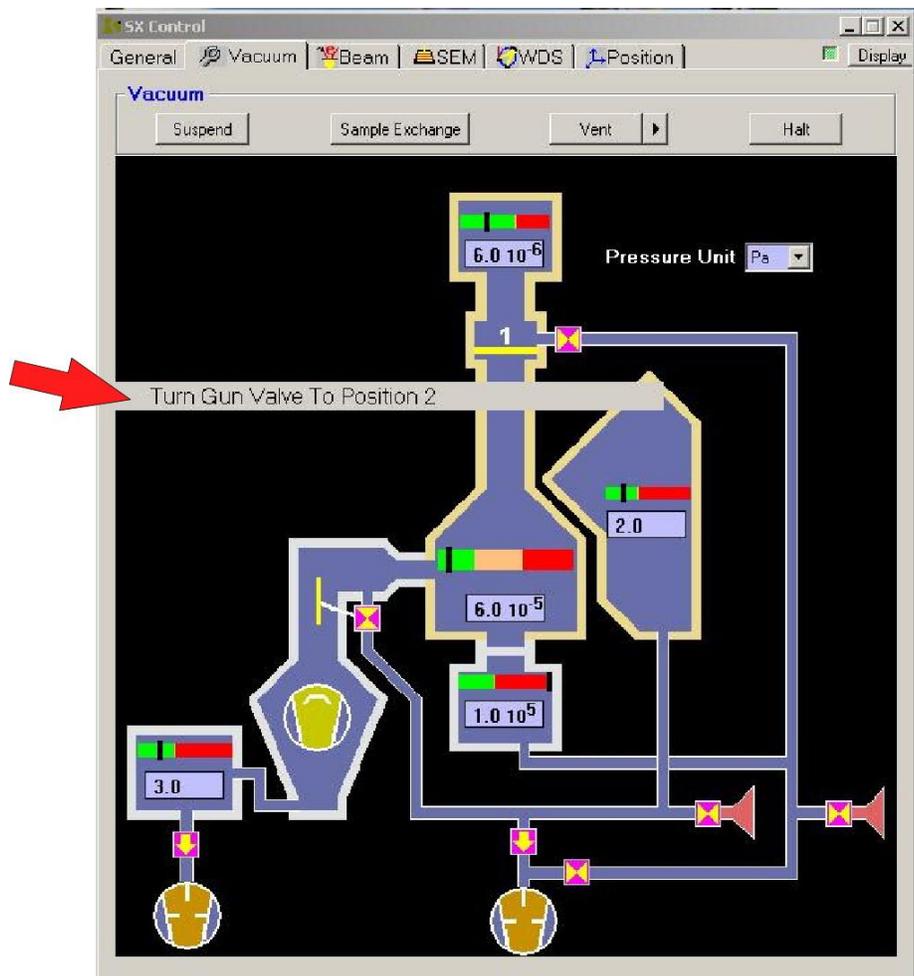
Step 9

Wait for the message: “Turn Gun Valve to Position 2”.

Then:

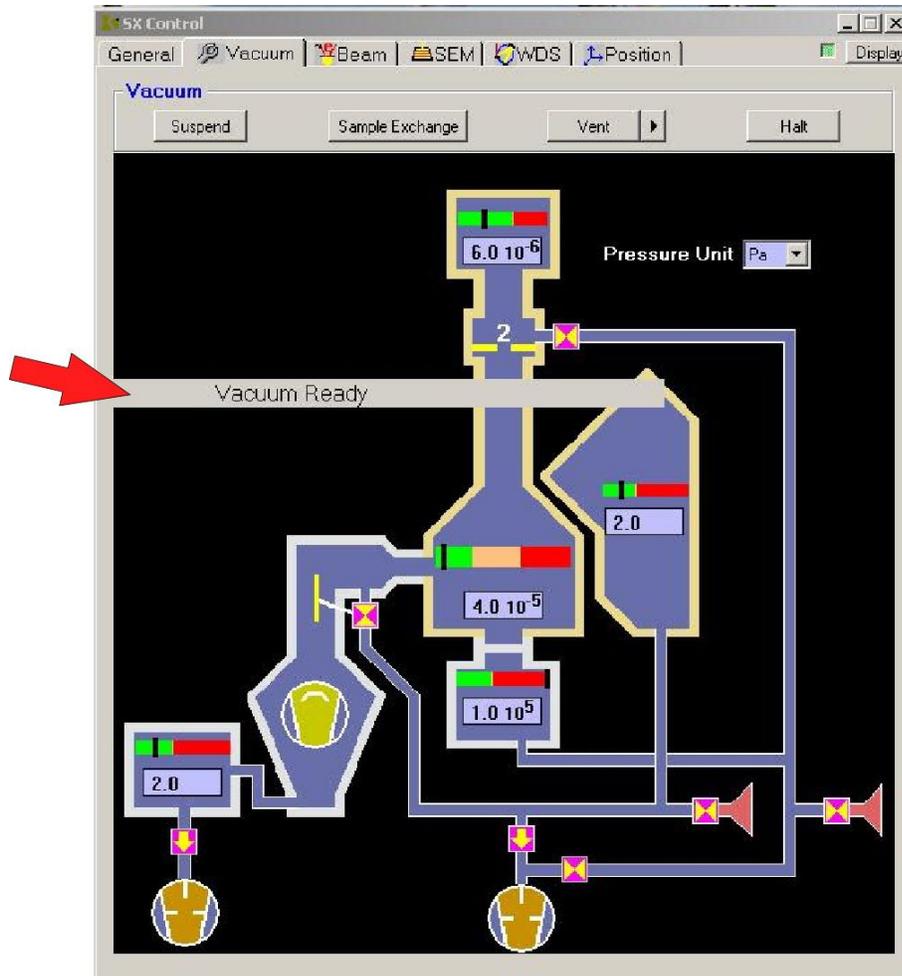
Turn the big black knob all the way counter-clockwise.

(i.e. the number 2 is facing towards the computer).



Step 10

Wait for the message: “Vacuum Ready”.



Go to the Document – Post Sample Change Start-up