



RZNC-05 Series

Function Operation

Setup the Machine Size

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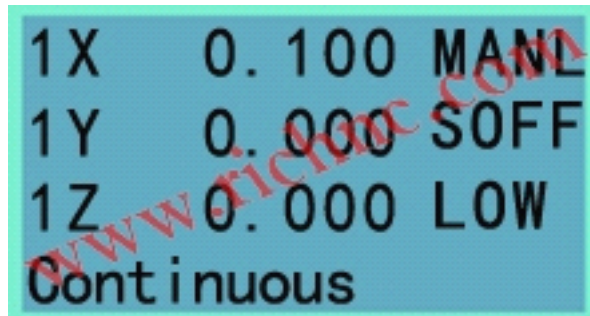
Setup the Machine Size

1. Connect the RZNC Controller with computer or machine, power on, the controller will show your "Goto Home" (as View 1)



View 1

2. Press the "Delete" key, the RZNC Controller will show "manual state screen" (as View 2)



View 2

Remark:

Because we have not the correct "Pulse Equivalent" parameters now, so we press the "DELETE" key first time.

If we had the correct "Pulse Equivalent" parameters, we must press the "OK" key when the controller show your "Goto Home" with machine (Connect with machine).

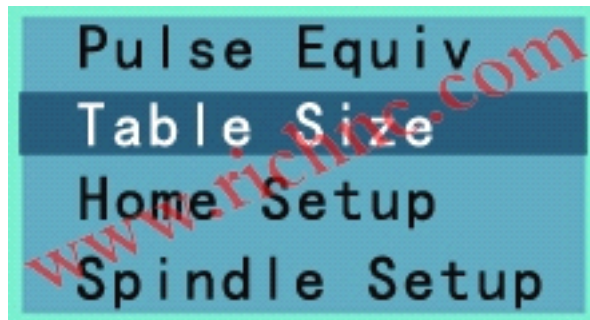
If we connect with the computer, we must press the "DELETE" key when the controller show you "Goto Home".

3. Press the "Menu" key, we will enter into the "menu function" (as View 3)



View 3

4. Select the "Machine Setup" and press the "OK" key, we will enter in the "Machine Setup function" (as View 4)



View 4

5. Select the “**Table Size**” press the “**OK**” key, we will enter in the “**Machine Size Setup function**” (as View 5)



View 5

6. Please make sure the “**X Axis**” Distance is correct as the same as your machine X Axis “**Effective Distance Travelled**”, Press the “**OK**” key saved and next step (setup the Y Axis size).

Remark:

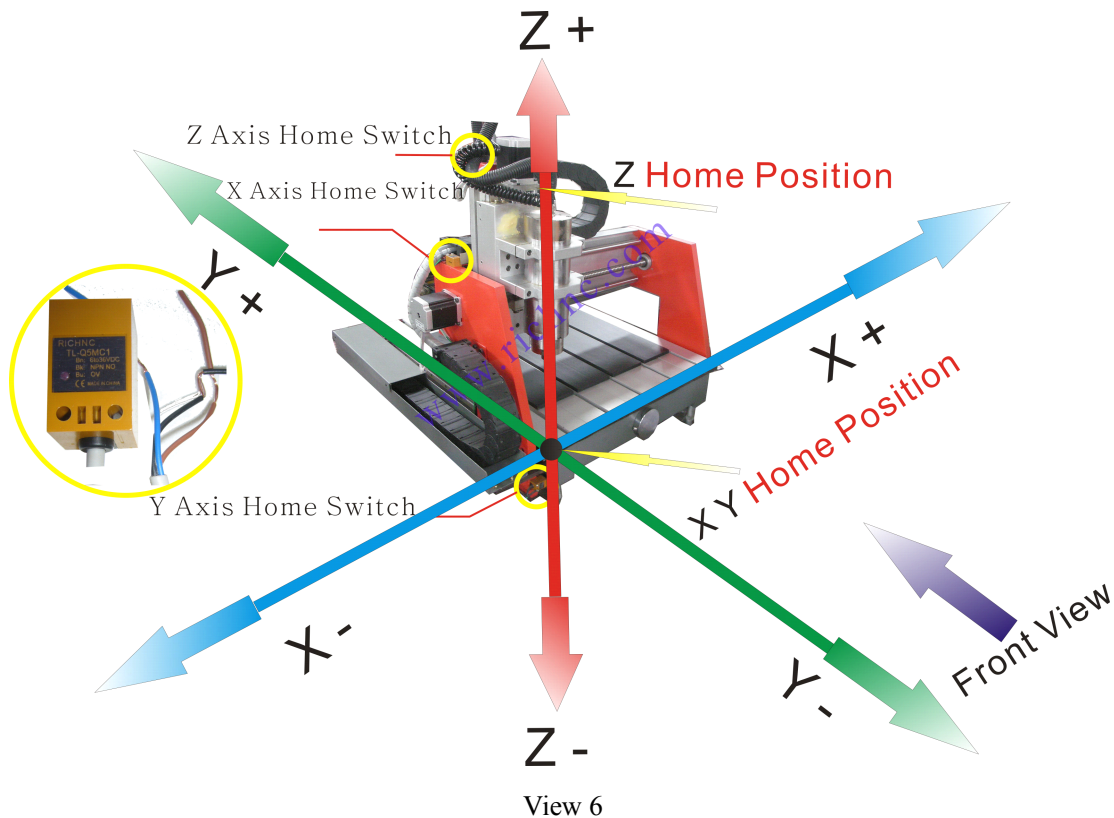
The “**Machine Size**” parameters must be make sure it is correct.no matter X Axis,Y Axis ror Z Axis.if any one is wrong,your machine will be broken your machine.

X Axis “**Effective Distance Travelled**” means your Spindle(X Axis direction) able moving distance from X Axis Home position to the X Axis other side through the X Axis ball screw rotation.

Y Axis “**Effective Distance Travelled**” means your Spindle(Y Axis direction) able moving distance from Y Axis Home position to the Y Axis other side through the Y Axis ball screw rotation.

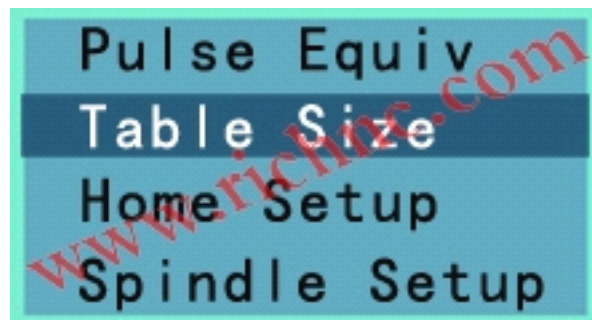
Z Axis “**Effective Distance Travelled**” means your Spindle tool(Z Axis direction) able down distance from Z Axis Home position to the Z Axis other side(machine table surface) through the Z Axis ball screw rotation.

You can got this probably value for reference by measuring tool. Meter stick or something.(as view 6)

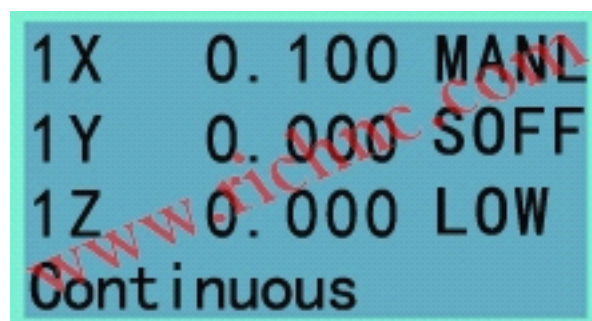


7. Please setup the Y Axis and Z Axis machine size, after finished the Z Axis setup, then Press the "OK" key saved and cancel "Machine Size Setup function".

8. We will return the "Machine Setup function" after Press the "OK" key saved and cancel (as view 8).



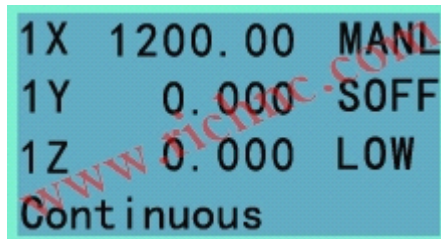
9. Press the "Cancel" Key two times we will return the "manual state screen" (as View 9)



10. Test the Machine setup, Verify whether it is right or not.

Now, we must test the machine size is correct or not (must be do this test, if not your machine will be wrong work).

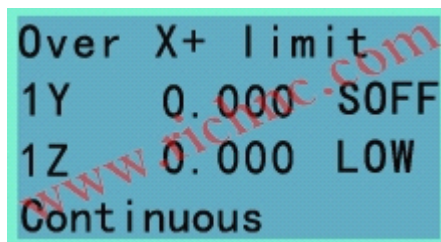
Press the "Home" Key (you must make sure your machine able execute Goto Home function), after finished "Goto Home" functions, Press the "X+" key till closest the other side (less than your X Axis machine size 1200.00mm), The controller will show your this X axis coordinate value is 1200.00 (as view 10)



View 10

11. Test the controller of machine about the size protection function

This time the machine X Axis had closest the end of X+ direction (end of the X Axis [Effective Distance Travelled](#)), 1200.00mm, if you want more than 1200.00mm, I am sorry, the controller will show your warning "Over X+ limit" and stop the "X+" moving for protect your machine. (as view 11)



View 11

12. If your controller show your moving distance is "1200.00", and your machine X Axis size is 1200.00mm, that means your got correct machine X Axis size.

If your controller show your moving distance is not "1200.00", but your got your machine X Axis size is 1200.00 with measuring tool, that means your "[Pulse Equivalent](#)" is wrong, Please read the "[Pulse Equivalent Setup.pdf](#)" (click here will got the manual) for got your correct parameters.

13. Got the correct machine size Y and Z Axis as the same as X Axis.

Remark:

Please execute "Goto Home" function when power on very time!!!!