

HYRobotics initial inspection after mount robot

- Please mark x if finished each step.

1. Make sure Robot has been mounted securely. Lock washer required for each mounting bolts. ()
2. Install Handy controller to proper place , 70% of robot problem comes out from bad handling or bad mounting location of handy controller ()
Below is good samples (Customer made their own plate to mount robot controller when there is no space)



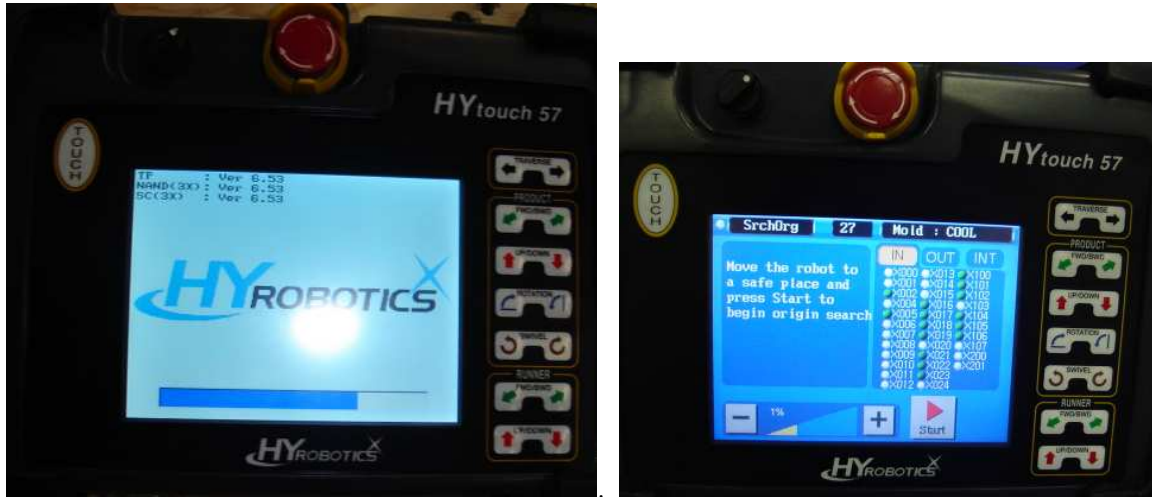
3. Check Top Robot body and beam, make sure all the eye bolts has been removed. ()
4. Securely connect cable with cable connector. ()



5. Connect Air () : 0.6 Mpa
6. Connect Power : 220 Volts Single (ZEST, NEXIA 400, 600, 800) or 3 Phase (NEXIA-1000SW and up)
Required : Detail Step how to using transformer with Next Page ()
7. Boot Up and Touch Screen Calibration if required () (See Attached File)

Once Robot is turned on we want to check robot movement and interface interlock with Machine

8. Connect Robot SPI Plug to Machine () SPI wiring diagram is in www.hyrobotics.com/support.htm
9. Turn on Robot (After Release E-Stop) ()



Write Down Robot Version Number : Tp (Ver :), Nand(3x) : (Ver:), SC (3x) : (Ver:)

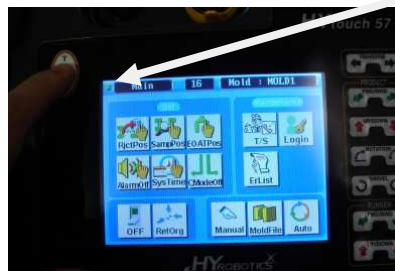
- This will give HYRobotics to update new software if required.

10. Find Origin. () Press Start button with Holding Touch Button (Left Top corner)



Robot will up/down () ,up/down () and kick () , Rotate() and Traverse ()
 And will go to main Screen.

11. Touch Screen Lock Release () Press Touch Button twice in 1 Sec. it will make touch button to Green



12. Login : Login Password is 00000 (5 of Zero) : ()

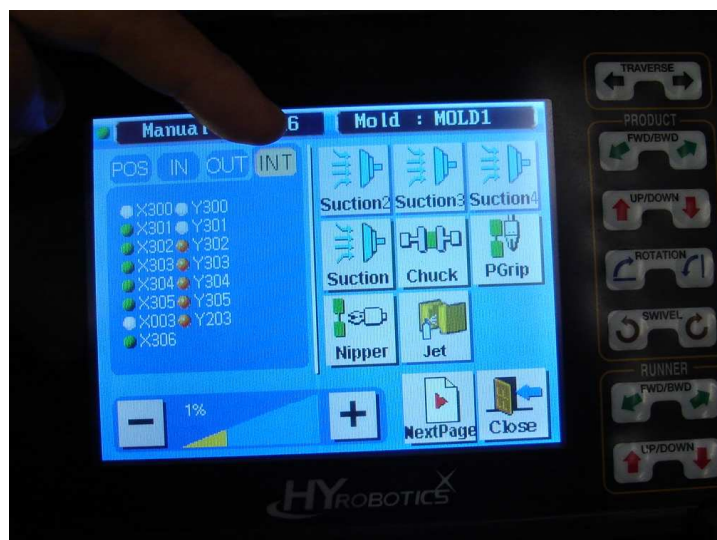
13. Select Manual Operation from main screen. () Below is manual screen.



14. Robot Manual Operation

- a. Traverse ()
- b. Kick ()
- c. Up , Down () : Robot need to out of molding area to come down if mold is not open.
- d. Rotation () : Robot can't rotate inside of mold
- e. Activate Suction, Chuck. ()

15. Touch INT button on screen ()



16. Touch Y303 button on screen, INT explain screen will be pop up ()

- To close pop up, touch pop up screen(it will go back).
- Also X300 : Mold Close Complete Signal (Auto Injection)



17. Machine and Robot Interface with LED

- i. Safety Door X302 : Close Safety Door (), Open Safety Door (),



- ii. Mold Open X301 : Open Mold Complete (), Mold is not Open ()
- iii. Mold Closed X300 : Mold Close Complete (), Mold is not closed ()
- iv. IMM is in Auto X303 ()

18. Find Robot to Origin Point (Top of Mold) ()

19. Mold Open for Machine : X301 is on. ()

20. Move Robot arm down about 2 Inch (50 mm) ()

21. Try to close Mold , Machine said, Robot is not safe area. ()

22. Move Robot arm up and Close Mold, and Move Robot arm down, Robot arm will not come down without opening mold

23. Go to main screen.

24. Go to Mold Set up

25. Creat New mold, And Delete Test Mold from Factory.

Now Robot is ready to use. Thank you !

End of Test.