TOUCH SCREEN CALIBRATION : NEXIA, ZEST

When turn on robot for the first time, we might would like to calibrate touch screen. How to Calibrate Touch Screen with E-stop pressed



There are two ways to reset touch screen.

This is 2nd way and doesn't need to go in to Hidden screen.

- 1. Press E-stop button. Do no release E-Stop yet
- 2. Turn on Robot



Turn on Robot

Robot will not read system

Robot will go to Error Screen.

Some old program version doesn't have Full Restore or Initialization for in this screen.

Full restore : If mold file is saved from mold date, it will restore mold file.

Initialization : This is for Factory setting initialization.. All mold file will be deleted and go back to Factory Setting

Press Touch Button (or Membrane Key)



Warning : This information should be controlled by authorized personnel only ! Do not distribute this information other than advanced-specialized maintenance person with full access authority of machines. Otherwise, you may loose all robot Info /Data



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It will go directly to calibration screen.



It will ask one more time to calibrate







Once it's done, turn off power wait 10 sec and Release E-stop button and turn on Power.

Touch Screen has been calibrated.



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1. Booting Up. After Calibration



2. End of Normal Booting



3. Release lock of touch screen.



To Start, we need to touch button twice in 1 Seconds. This will change left top corner circle from white color to Green color.

If want to lock back, touch button twice again in 1 Seconds, This will change left top corner circle from Green to White color.

Green Color : Touch Screen Unlocked (Touch Screen will work)

White Color : Touch Screen Locked (You can't touch anything)

* Next page, we will explain how to calibrate touch screen from hidden screen.



ROBOT HIDDEN SCREEN INFORMATION

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1. How to Calibrate Touch Screen

After booting up, unlock touch screen. You can start touch touch screen, once installed new memory chip or replace touch or LCD screen or whole handy controller, we may be required to calibrate touch screen.



There are two ways to reset touch screen. This is first way and need to go in to Hidden screen.

- 1. After unlock touch screen,
- 2. Touch left top corner and right top corner in 1 second.
- 3. It will beep and beep.
- 4. If it is successfully touched it will lead to hidden screen.
- 5. If not, wait 5 seconds and try it

(Sometimes might need to touch left top corner and around of right top corner due to no calibration of touch screen). If it can't not be done, need to go to next page.

2. Inside of Hidden screen. (First Page)



Do not change this setting unless if required by Manufacture, Each model is has different value

Once you get into hidden screen, it will display origin set for each axis.

- 1. TRVS (Traverse Axis)
 - Dir (CW), Direction of Clock wise , Offset 500 means (500 mm from Servo magnetic sensor to Program 0 Point) * Proximity Green sensor need to touch in the middle of plate for safety.
- PFBW (Product Arm Forward and Backward) Dir (CCW), Direction of Counter Clock wise, Offset 430 means 430mm from Servo magnetic sensor to Program 0 Point)
- 3. PASCDSC (Product Arm Ascending and Descending)

Press Next Page, if it didn't go to Next page, press left side of top side of Next

3. Inside of Hidden screen. (2nd Page)



<u>Do not change this setting unless if required by Manufacture, Each model is</u> <u>has different value</u>

- This information include limitation of robot
- 1. TRVS (Traverse Axis)
 - Limit –30 (From 0 Point to –30 mm)
 - + Limit 1300 (From 0 Point to 1300 mm)
- 2. PFBW (Product Arm Forward and Backward)
 - Limit 0 (From 0 Point to 0 mm)
 - + Limit 670 (From 0 Point to 670 mm) : Kick Distance
- 3. PASCDSC (Product Arm Ascending and Descending)
 - Limit 0 (From 0 Point to 0 mm)
 - + Limit 700 (From 0 Point to 700 mm) : Down Distance



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4. Inside of Hidden screen.



Do not change this setting unless if required by Manufacture, Each model is has different value

- 1. FullAutoSig : Yes (Robot will look for Molding machine auto signal) 2. DrSigCheck : (Auto) : Safety Door Signal Check : Safety Door should be closed.
- Robot can't go Automatic without Safety Door Signal from Machines
- 3. Detect Error : When robot miss parts, robot will move up and alarm.
- 4. Jog Step Speed : 10 (Do not change this setting) 5.Lanugage Set : English, Korean

Press Next Page, if it didn't go to Next page, press left side of top side of Next Page with big thumbs.

Do not change this setting unless if required by Manufacture, Each model is

5. Inside of Hidden screen.





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2ND HIDDEN SCREEN INFORMATION

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Information : This information is for HYNC-700 Control Units. 2ND Hidden screen included servo motor parameter, acceleration of speed and special setting of robot.

1. Go to Option Page



This option page is gate way to go to 2nd hidden screen





Touch Middle Top and Bottom Top to access 2nd hidden screen.



3. Release lock of touch screen.

It will ask password, Put 0000, it will show invalid password and time and date Write down CurTime Six digit : 110916 (Last 4 digit is password : Like 0916)





2ND HIDDEN SCREEN INFORMATION

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4. Access 2nd Hidden Screen



5. Input Password. Last 4 digit of fist line : Write down CurTime Six digit : 110916 (Last 4 digit is password : Like 0916)



6. Input Password. Last 4 digit of fist line : Write down CurTime Six digit : 110916 (Last 4 digit is password : Like 0916)



R-TYPE : Front Door UnLoading Robot : L Type : Back side of Unloading

Password : Resetting Password for Login Ratio Resol, RPM, Feed ACCSPD : is all servo Related value : Do not change this value unless authorized by manufactures.

Each Robot has different value, please contact to get this value information for your robot if required.

