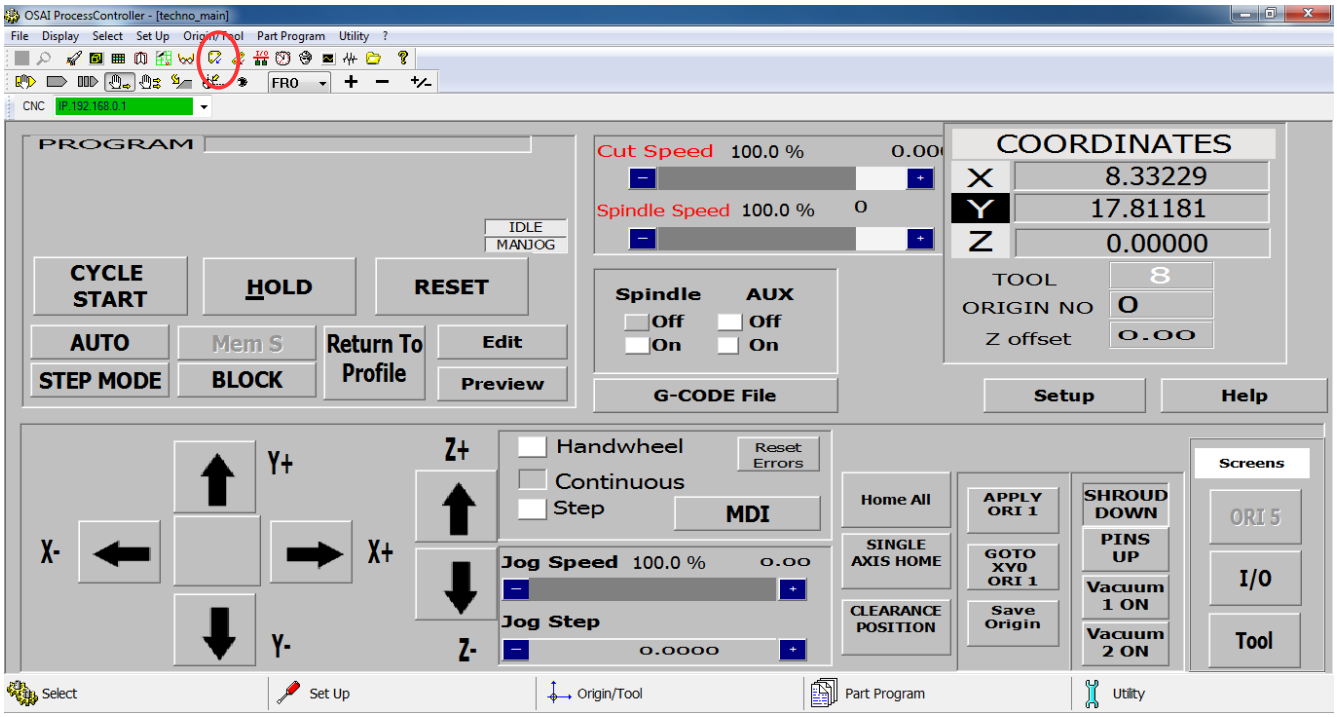
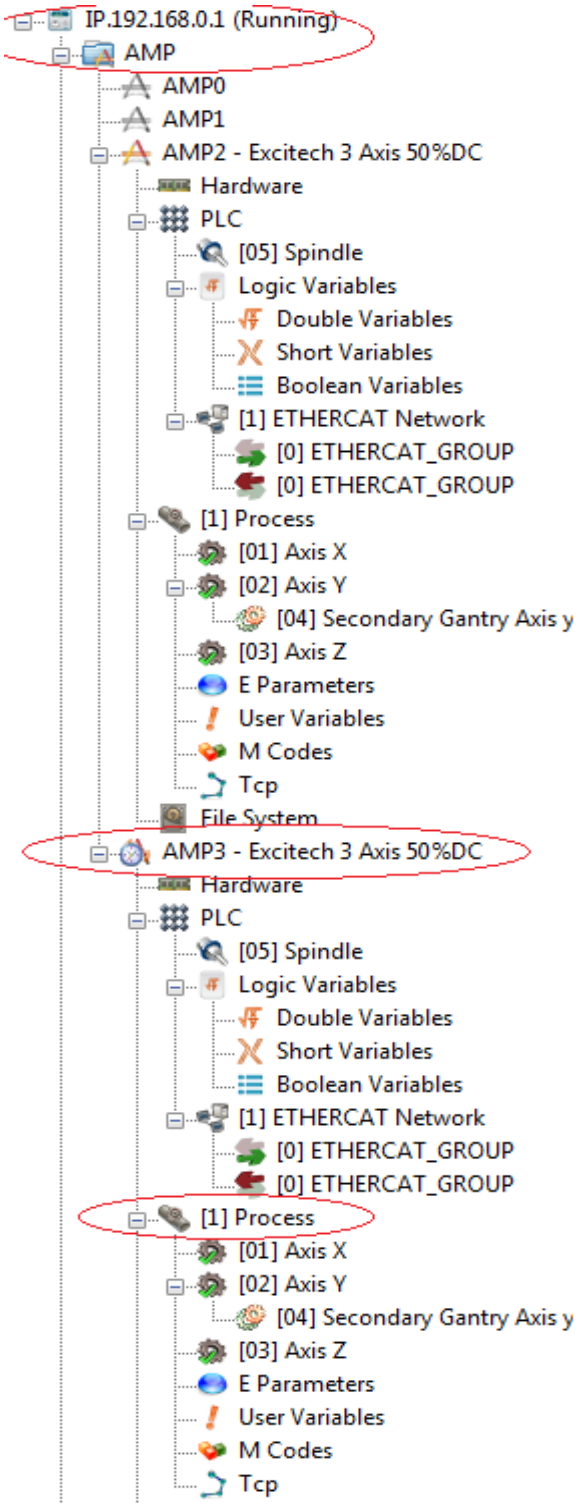
Open Series Osai Controller

How to Adjust Soft Limits on HDS, HDS-F, Venture, and Venture + Models:

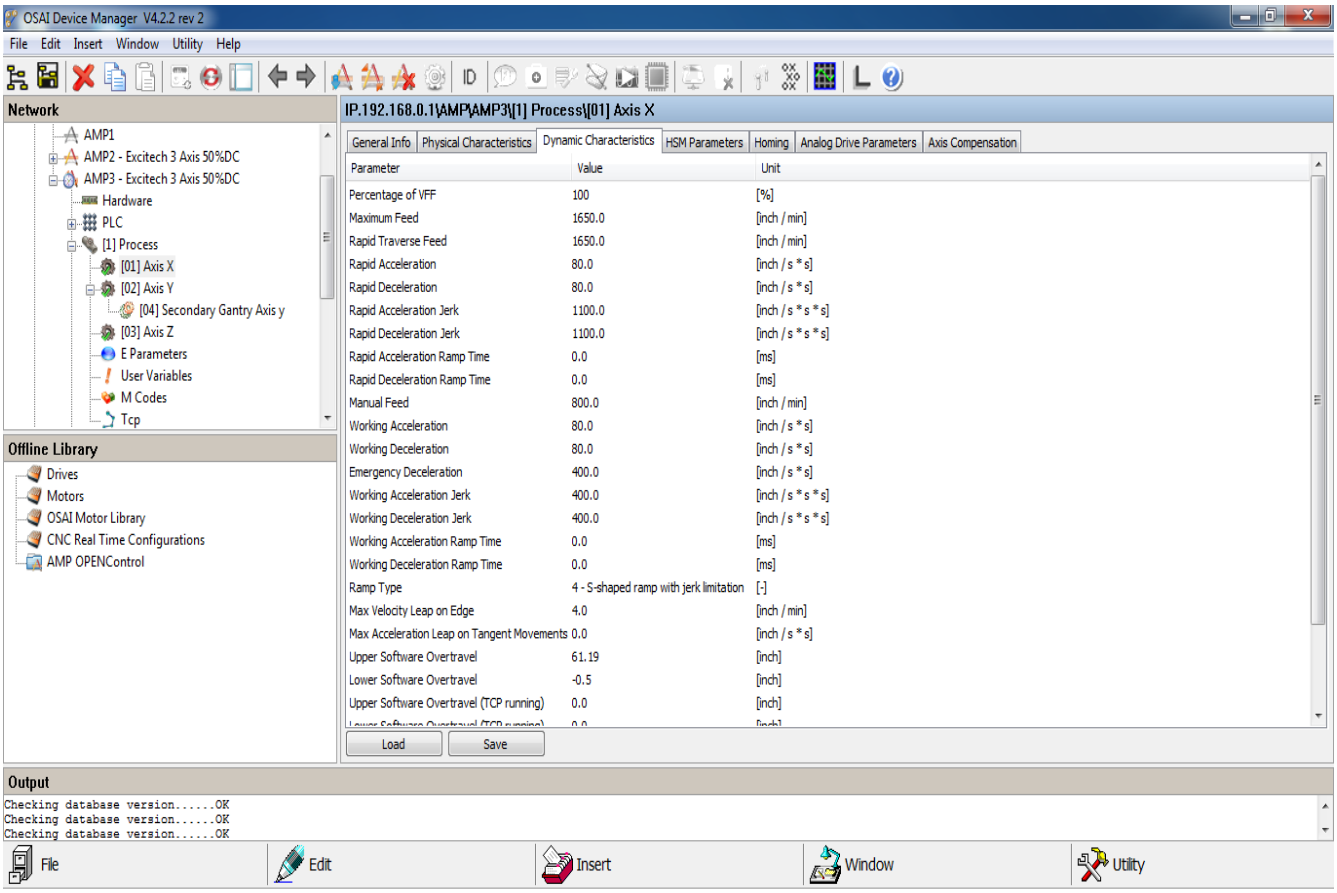


Step 1 – From the HDS interface, click on the ODM button as displayed in the figure 1.

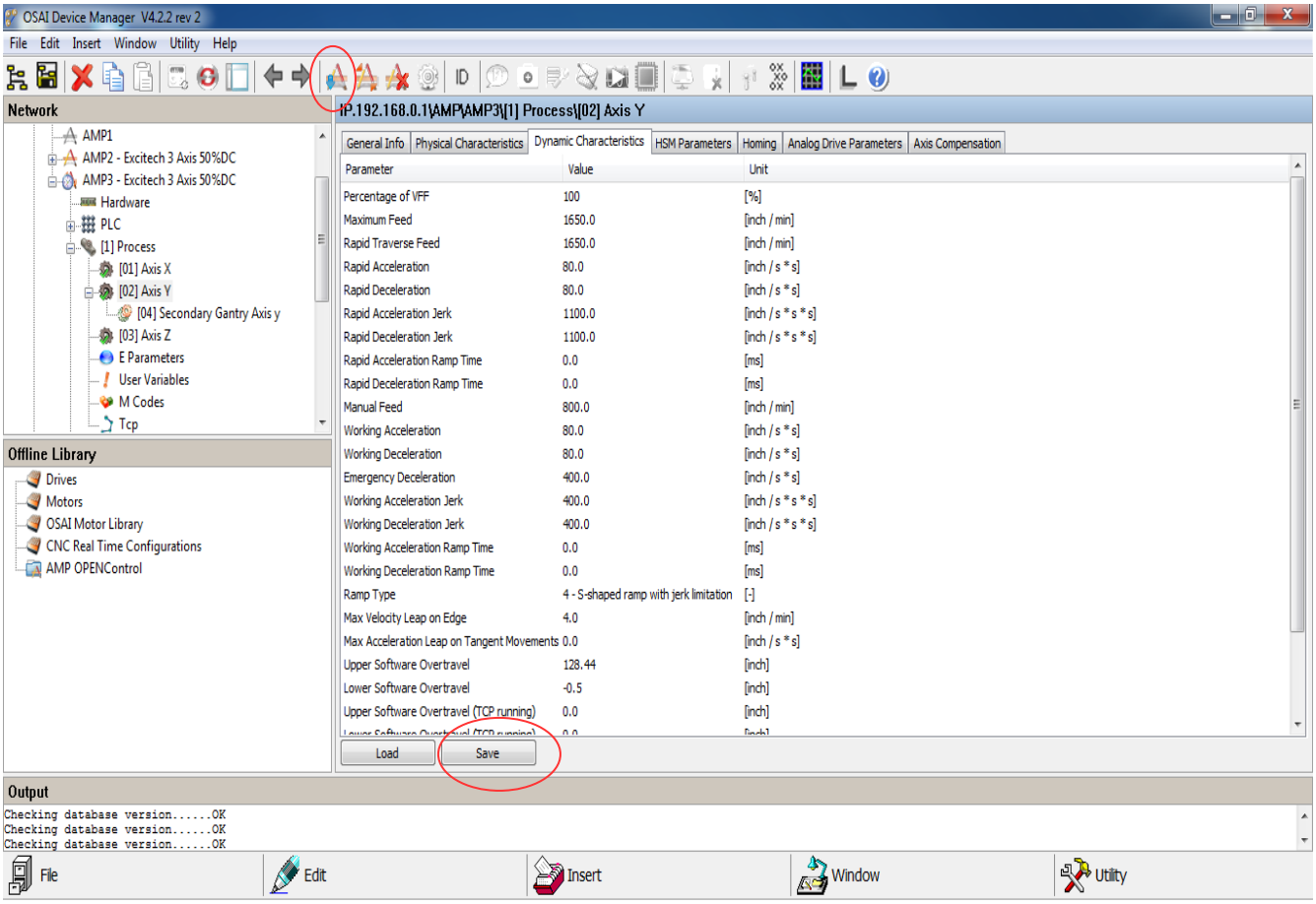
Step 2 – Once the ODM screen is opened click the + symbol on IP 192.168.0.1, + AMP, + AMP3 (Or whatever amp has a blue clock next to it), + Process


IP.192.168.0.1 (Running)
AMP
AMP0
AMP1
AMP2 - Excitech 3 Axis 50%DC
Hardware
PLC
[05] Spindle
Logic Variables
Double Variables
Short Variables
Boolean Variables
[1] ETHERCAT Network
[0] ETHERCAT_GROUP
[0] ETHERCAT_GROUP
[1] Process
[01] Axis X
[02] Axis Y
[04] Secondary Gantry Axis y
[03] Axis Z
E Parameters
User Variables
M Codes
Tcp
File System
AMP3 - Excitech 3 Axis 50%DC
Hardware
PLC
[05] Spindle
Logic Variables
Double Variables
Short Variables
Boolean Variables
[1] ETHERCAT Network
[0] ETHERCAT_GROUP
[0] ETHERCAT_GROUP
[1] Process
[01] Axis X
[02] Axis Y
[04] Secondary Gantry Axis y
[03] Axis Z
E Parameters
User Variables
M Codes
Tcp

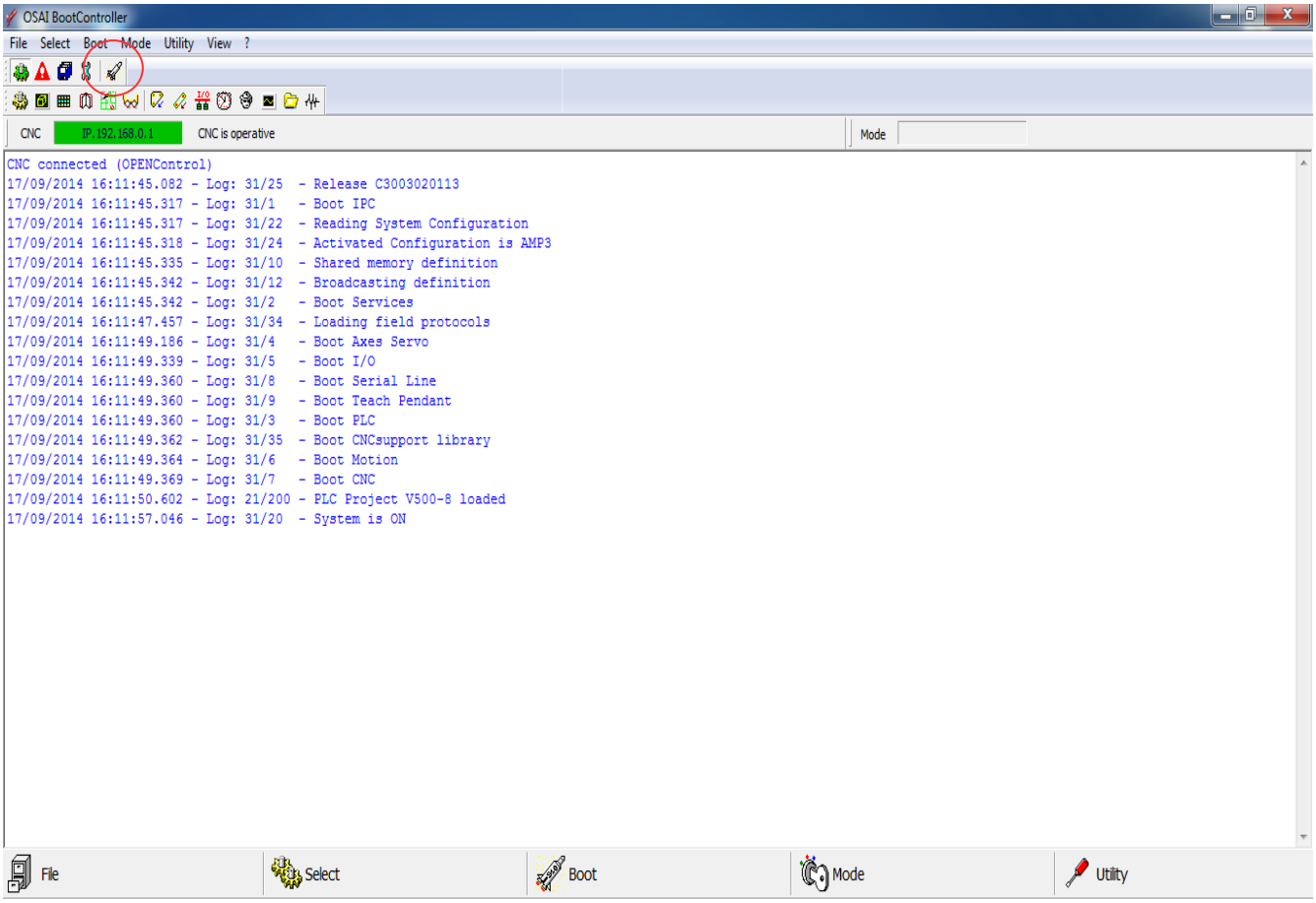
Step 3 – Once you have the ‘Process’ tab opened, you can then click on the x, y, and z axes. In each of these menus you will be able to change the coordinate value for the soft limits under the tab labeled ‘Dynamic Characters’.



Step 4 – Once you have made the desired changes to your soft limits, you must always click ‘save’ located at the bottom of the window, then ‘compile amp’ located on the tool bar at the top of the screen.



Step 5 – Once the controller has finished compiling the new settings you have edited, you must then restart the controller. There are two ways this can be done. First, you can shut down the computer and the machine like you would at the end of the work day. Second, which is the slightly more efficient way; you can navigate to the Boot Control Screen and click the tab at the top of the screen that looks like a rocket ship. Once you do, a screen will pop up asking you if you would like to restart the boot control. By clicking 'ok' you will prompt a reboot of the Osai Controller. Once the controller is reset, the new soft limits will be adjusted and used during operations.


OSAI BootController
File Select Boot Mode Utility View ?
CNC
IP.192.168.0.1
CNC is operative
Mode
CNC connected (OPENControl)
17/09/2014 16:11:45.082 - Log: 31/25 - Release C3003020113
17/09/2014 16:11:45.317 - Log: 31/1 - Boot IPC
17/09/2014 16:11:45.317 - Log: 31/22 - Reading System Configuration
17/09/2014 16:11:45.318 - Log: 31/24 - Activated Configuration is AMP3
17/09/2014 16:11:45.335 - Log: 31/10 - Shared memory definition
17/09/2014 16:11:45.342 - Log: 31/12 - Broadcasting definition
17/09/2014 16:11:45.342 - Log: 31/2 - Boot Services
17/09/2014 16:11:47.457 - Log: 31/34 - Loading field protocols
17/09/2014 16:11:49.186 - Log: 31/4 - Boot Axes Servo
17/09/2014 16:11:49.339 - Log: 31/5 - Boot I/O
17/09/2014 16:11:49.360 - Log: 31/8 - Boot Serial Line
17/09/2014 16:11:49.360 - Log: 31/9 - Boot Teach Pendant
17/09/2014 16:11:49.360 - Log: 31/3 - Boot PLC
17/09/2014 16:11:49.362 - Log: 31/35 - Boot CNCsupport library
17/09/2014 16:11:49.364 - Log: 31/6 - Boot Motion
17/09/2014 16:11:49.369 - Log: 31/7 - Boot CNC
17/09/2014 16:11:50.602 - Log: 21/200 - PLC Project V500-8 loaded
17/09/2014 16:11:57.046 - Log: 31/20 - System is ON
File
Select
Boot
Mode
Utility