

















I tried to keep this box limited to outputs from the machine.

ZERO buttons are for X, Y, Z, and A. Clicking it will change the work coordinates for the respective axis to 0.0000.

Work coordinates display the current location of the machine, in the current offset (G54 for example). Clicking on the box would allow you to manipulate the value shown. For example, if you wanted to show that you were at 1" from what you expect to be 0, you could type 1.000 in. Likewise, if you zero'd at one side of the part, jogged to the other (10.000) for example, you could type /2 and press enter and it would set your zero point at 5.000.

REF – This would reference your current axis. I did not include a REF ALL, because it's technically not needed, but I'm amicable to adding it. Note that any axis that has 2 joints would home them simultaneously per the .ini file. REF Y for example would do the 2 joints required for the gantry.

FLOAT - shows the status of the float switch (Green or Yellow Color)

OHMIC – shows the status of the ohmic sensing (Green or Yellow Color)

BREAK AWAY – shows the status of the break away switch (not necessary, this could be left off the GUI, and shown as an ALARM if the break away switch tripped). (RED Color)

TORCH – shows that the torch was commanded to fire. (Orange Color)

ARC OK – shows when the power unit reports the Arc is OK. (Green Color)

VEL LOCK – shows when the THC subroutine has gone into velocity lock. (Red Color)











