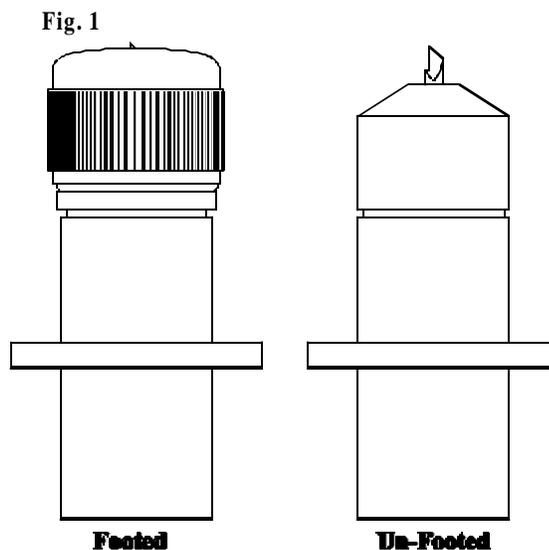


The purpose of carriage calibration is to reduce any bouncing, skipping or piercing problems by adjusting the initial pulse force output of the carriage voice coil via software.

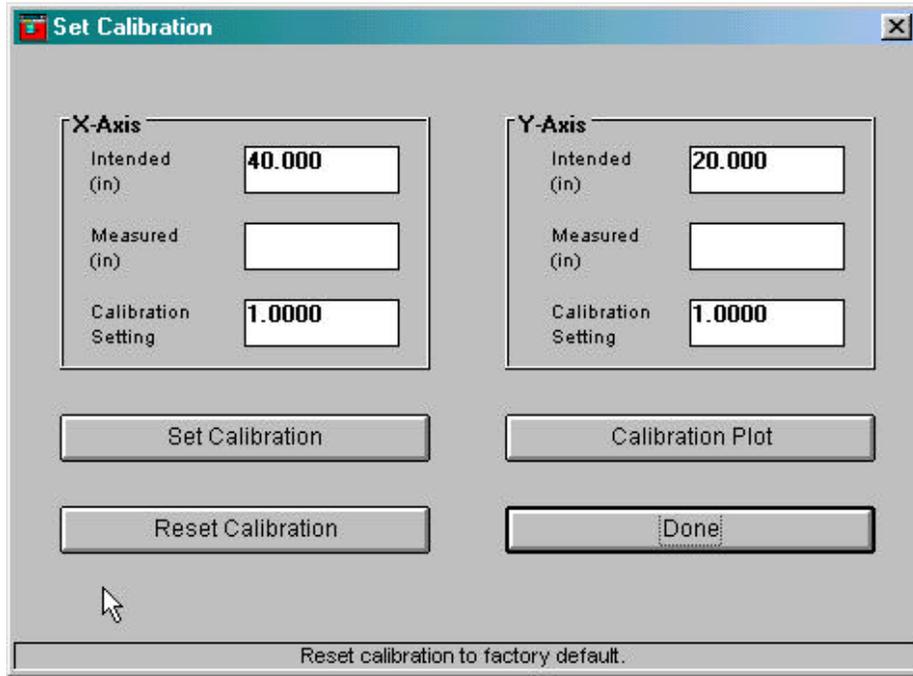
To calibrate the carriage on the Super 88/Classic Signcutter:

1. Turn on the Super 88/Classic Signcutter.
2. Install a piece of vinyl at least 5" X 20" to accommodate the carriage calibration plot which is 1" X 15.75".
3. Using the arrow keys on the keypad, orient the blade holder about 1/2" from the right edge of the material.
4. Remove the blade holder from the carriage jaw. (See Fig. 1) If you are using a blade holder with an adjustable foot, turn the adjustable foot clockwise until the blade is fully exposed and insert the blade holder back into the carriage jaw. If you are using a blade holder without an adjustable foot proceed to #5.

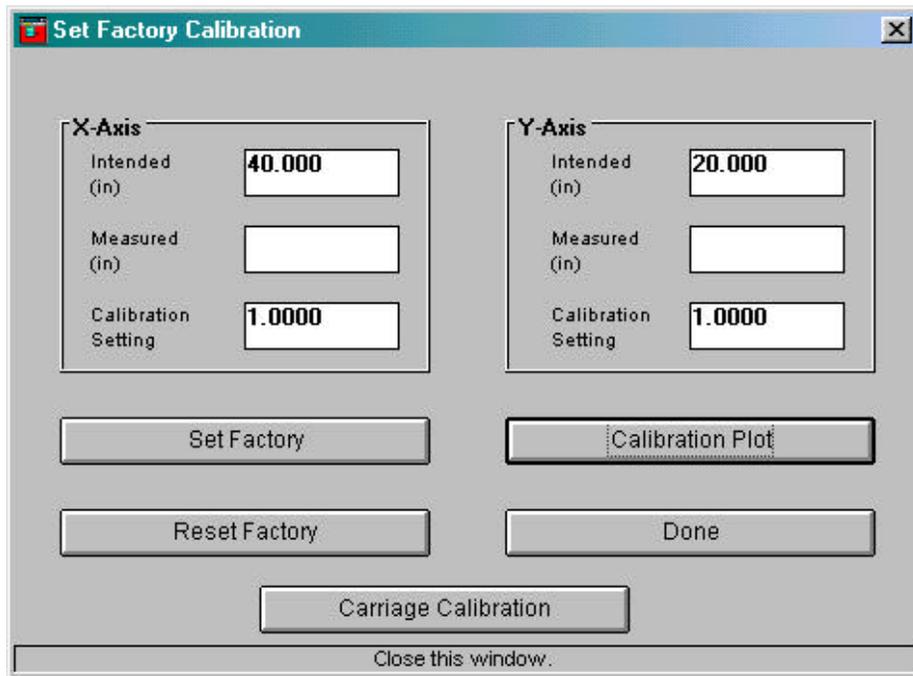


5. Adjust the force properly for the type of media used for this procedure.
6. Press "Starting Point" on the Super 88/Classic keypad.
7. Open the Ioline Control Center.

8. From the menu bar at the top of the window select "Calibrate" then "Calibrate Plotter". The "Set Calibration" window should appear.

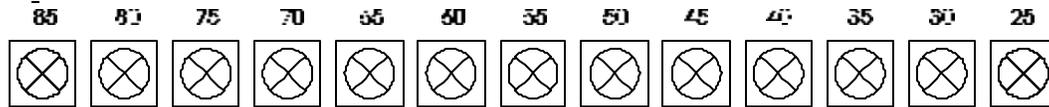


9. On your computer keyboard hold down the "Alt" key and then press the "F" key 1 time, release the "Alt" key. The title bar should now read "Set Factory Calibration".



10. Click on the "Carriage Calibration" button to display the "Carriage Calibration" window.
11. Click on "Reset Calibration" to reset the values to factory default settings.
12. Click on "Calibration Plot" and then "OK". The plotter will then cut a series of 13 test cuts from right to left (*Fig 4*).

Fig 4



13. When the plot is complete, you should see 13 test cuts from right to left. Starting with the first test cut on the right, visually examine each test cut for piercing and skipping on the initial down stroke. There should be a range of 3 or 4 test cuts that exhibit a clean cut. Weed each one and examine the backing paper for an even scoring of the X and circle. Select the test cut exhibiting the most even scoring of the backing paper with no piercing or skipping.
14. Once you have selected the best test cut, use (*Fig 4*) to find the calibration number, which co-relates to the test cut you have selected.
15. Enter the calibration number in the field labeled "Force" (factory default is 45).
16. Click the "Set Factory" button. Click "Done" and then "Done" once more.
17. Carriage calibration is complete.