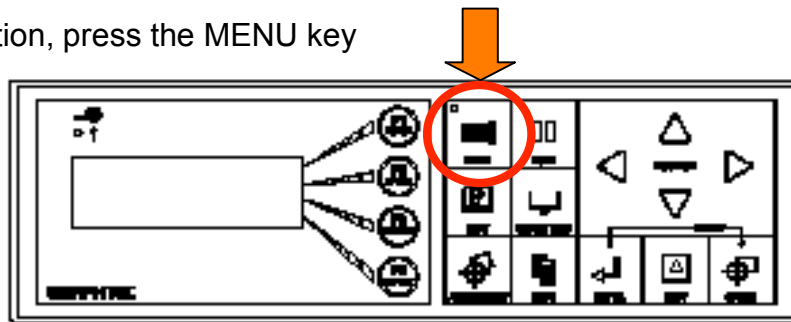


Congratulations on your new Graphtec FC5100 Series Cutter

To get the most accuracy from the Auto Registration Mark Sensor system please follow the calibrations steps below. These steps will ensure print and cut accuracy when using the Auto Registration Mark Sensor system. These steps should be complete only AFTER the cutter has been installed in your shop.

1. Insert a roll or sheet of paper (See pages .. for instructions)
2. Insert the supplied pen (Kbwer) (See pages .. for instructions)
3. Turn the cutter ON.
4. Press F3 for ROLL-2
5. After initialization, press the MENU key



6. Press F1 AUTO REG. MARK>

```
AUTO REG. MARK>
SKIP>
AUTO>
MANUAL>
```
7. Press F3 OTHER SETUPS>.....

```
MARK SCAN MODE>
MARK TYPE>
OTHER SETUPS>
DISTANCE ADJUST>
```
8. Press F2 SENSOR OFFSET ADJ>.....

```
MARK SIZE>
SENSOR OFFSET ADJ>
AXIS ORIGIN OFFSET>
PAPER-WEIGHT>
```
9. Press F4 METHOD 2>.....

```
SENSOR OFFSET ADJUST

METHOD 1>
METHOD 2>
```

The plotter plots the cross mark, reads it, and plots another cross symbol for use in determining the corrective values to be input in order to adjust the precision of the registration mark sensor. The plotter plots the second cross mark based on the reading of the first cross mark then adjusts for offset.

10. Press the POSITION key(s) to move the pen to the location to plot the first cross mark***

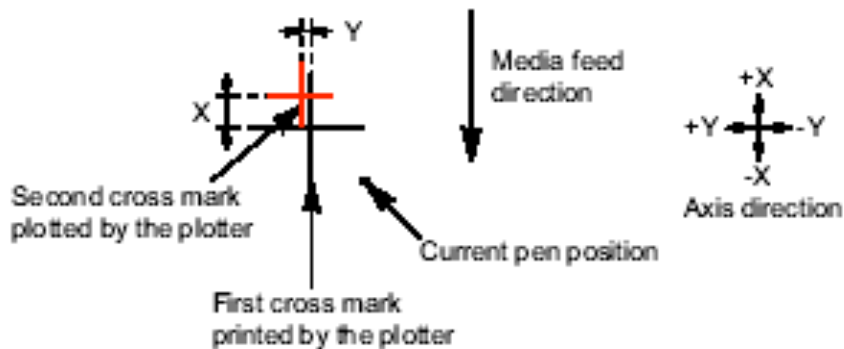
```
SENSOR OFFSET ADJUST
PARAMETER SET>
SCAN>
```

11. Press the F4 SCAN.....

12. The plotter plots the first cross mark and the following menu appears:

```
CHANGE PEN
PRESS ENTER KEY!
```

13. Change the pen to a different color and press the ENTER key to continue. The final pattern should look like this:



14. Measure the distance between the first and second cross marks.

- a. If the location of the two cross marks match, press the NEXT key to cancel this mode.
- b. If the cross marks do not match, press F3 PARAMETER SET to change the PARAMETER SET value

```
SENSOR OFFSET ADJUST
PARAMETER SET>
SCAN>
```

15. Press the F3 or F4 key to select the axis for setting distance. Press the F2 key to toggle polarity for the distance setting, the “-“ mark appears on the distance setting when negative is selected.

Press the LEFT or RIGHT ARROW key to move the blinking cursor to select the digit, then press the UP or DOWN ARROW key to change the number.

```
SENSOR OFFSET ADJUST
                        +/- >
X = 00.0 mm
Y = 00.0 mm
```

16. In the example above the X should be set to a negative distance, possibly -0.25 and the Y should be set also to a negative number, possibly -0.06
17. Press the ENTER key to register your settings.
18. Press the MENU key to put the plotter in READY mode.