

Congratulations on your new Graphtec FC5100 Series Cutter

To get the most accuracy from the Auto Registration Mark Sensor system, the following steps should be completed **AFTER** the cutter has been installed in your shop.

1. Insert a roll or sheet of paper. (See pages 39 of the FC5100 User Manual for instructions)
2. Insert the supplied pen (KF552-BK-P). (See page 13 of the FC5100 User Manual for instructions)
3. Turn the cutter **ON**, then press **F3** for **ROLL-2**
4. After initialization, press the **MENU** key

5. Press **F1 - AUTO REG. MARK >**.

```

AUTO REG. MARK>
SKIP>
AUTO>
MANUAL>
```

6. Press **F3 - OTHER SETUPS>**.

```

MARK SCAN MODE>
MARK TYPE>
OTHER SETUPS>
DISTANCE ADJUST>
```

7. Press **F2 - SENSOR OFFST ADJ>**.

```

MARK SIZE>
SENSOR OFFSET ADJUST>
AXIS ORIGIN OFFSET>
PAPER-WEIGHT>
```

8. Press **F4 - METHOD 2>**.

```

SENSOR OFFSET ADJUST
METHOD 1>
METHOD 2>
```

9. The plotter plots the cross mark, reads it, and plots another cross symbol for determining the corrective values to be input. 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 position the pen to plot the first cross mark***

11. Press the **F4 - SCAN >**.

```

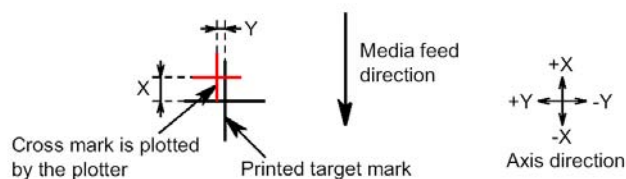
SENSOR OFFSET ADJUST
PARAMETER SET>
SCAN>
```

12. The plotter plots the first cross mark

```

CHANGE PEN
PRESS ENTER KEY!
```

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



14. Measure the distance between the first and second cross marks.
15. If the location of the two cross marks match, press the **NEXT** key to cancel this mode.

16. If the cross marks do not match, press **F3 PARAMETER SET** to change the value

```

SENSOR OFFSET ADJUST
PARAMETER SET>
SCAN>

```

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

```

SENSOR OFFSET ADJUST
X = 00.00 in. +/- >
Y = 00.00 in.

```

18. 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.

19. In the example above the **X** should be set to a negative distance, possibly **-0.25** and the **Y** should also be set to a negative number, possible **-0.06**

20. Press the **ENTER** key to register your settings.
21. Press the **MENU** key to put the plotter in **READY** mode.