

6.20 Setting the SENSOR OFFSET ADJUSTMENT (Method 1)

The SENSOR OFFSET ADJ function is used to determine the corrective values you should input in order to adjust the precision of the registration mark sensor. If Method 1 is selected, the plotter scans a printed cross mark and then plots a second cross mark based on the reading of the printed cross mark. The plotter then adjusts for any offset.

SETTING PROCEDURE

- 1 Load a medium with a printed cross mark in the plotter.
- 2 Press the **AXIS/R.M.S.** key.
- 3 If the registration mark mode has been enabled, the following menu appears.
Note: If the registration mark mode has not been set, the axis alignment menu screen appears. If you wish to use the registration mark functions, press the NEXT key to cancel the operation and then refer to Section 6.12, "Setting the Registration Mark Mode" for details on how to make the registration mark mode settings.

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

- 4 Press the **F1** key (AUTO REG. MARK). The following menu appears.

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

Note: DISTANCE ADJUST is not displayed if media has not been loaded in the plotter.

- 5 Press the **F3** key (OTHER SETUPS). The following menu appears.

```
MARK SIZE>
SENSOR OFFSET ADJ.>
AXIS ORIGIN OFFSET>
PAPER-WEIGHT>
```

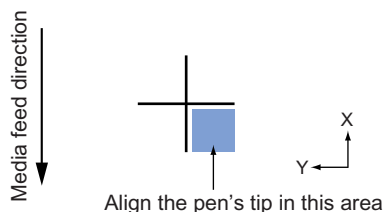
- 6 Press the **F2** key (SENSOR OFFSET ADJ.). The following menu appears.

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

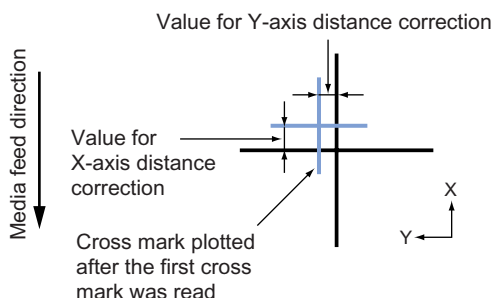
- 7 Press the **F3** key (METHOD 1). The following menu appears.

SENSOR OFFSET ADJUST PARAMETER SET> SCAN>

- 8 Use the **POSITION** keys to move the pen carriage to the position near the cross mark shown in the figure below, and then press the F4 key (SCAN).



The plotter scans the pre-printed cross mark, and then plots a second cross mark (see the figure below).



- 9 Press the **F3** key (PARAMETER SET). The following menu appears.

SENSOR OFFSET ADJUST X= 0.0 mm Y= 0.0 mm
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- 10 Measure the distance between the pre-printed cross mark and the plotted cross mark, and then input the corrective values.

The corrective values that need to be input depend on the actual shift in position between the first and second cross marks. In the above figure, for example, there is a shift in both the -X and -Y direction, and so X = -**.* mm and Y = **.* mm need to be input.

Press the **F3** or **F4** key to select the X or Y axis. Use the (**▲▼**) **POSITION** keys to increase or decrease the value. (If there is no shift, simply press the **ENTER** key.)

- 11 Press the **ENTER** key to register your setting.

- 12 Press the **NEXT** key to return the plotter to Ready status.



This setting is retained in the plotter's internal memory even when the power is turned off.

- Either cutter peas or plotting pens can be used.

Registration Mark Sensor Offset Adjustment

(Method 1)

