

For CG-FX/FXII(Plus) series users

# Support document of cutting with register marks (ERROR 36 MARK DETECT)

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#### How to take actions when "ERROR 36 MARK DETECT" occurred

When did "ERROR C36 MARK DETECT" occur?

Please follow the operation instructions for the cutting with register marks.

For detailed operations, please refer to the "CG-FX/FXII series instruction manual" and "FineCut reference guide".

Set the printed sheet with registration marks on the plotter and detect the sheet.

\* In this document, the sheet is set in rear side, and the register mark detection setting is set to 1 point.





1. Register mark detection after sheet detection



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#### 2. Register marks creating condition



 Is there any object obstructing the area around the register marks?
 If there are objects in unprintable area, errors may occur in case of sheet misalignment or other issues.

#### 1<sup>st</sup> point

(2) Is there a distance of 20mm or more from register mark TP1 to the front edge of the sheet?(For Type 2, it should be 20mm or more + half the length of one side of the register mark.)

#### 2<sup>nd</sup> point

(3) Is there a space of 30 mm or more from the TP2 register mark to the rear edge of the sheet (for Type 2, 30 mm or more + half the length of one side of the register mark)?

(Not required during roll setup.)



(Inside the red dashed line is prohibited)



(5) Is there a distance between register marks TP1 and TP3 within the range of 50mm or more?



(6) Is the distance between TP1 and TP2 register marks within the range of 50mm or more and 9000mm or less?



When the register mark is Type 2 (inward register mark)



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#### 3. Register mark setting





#### 4. Plotting from FineCut



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### 5. Errors related to registration marks beyond the second point and others.

2 <sup>nd</sup> point (1) If an error occurs during the detection of registration marks beyond the second point.	Measure the distance between registration marks on the printed material and compare it to the registration mark distance in the data. Adjustments are made even if there is a discrepancy in the registration mark distance between the printed material and the data due to factors such as sheet expansion or contraction. However, the allowable range for adjustments is up to twice the registration mark size. Any discrepancy beyond that range will result in a registration mark error.
(2) Other errors	For other registration mark errors, the troubleshooting method is the same as Error 36 MARK DETECT.
	<ul> <li>ERROR 37 MARK ORIGIN</li> <li>This error occurs during continuous registration mark copying when the origin position, detected based on the registration marks, falls outside the cutting area due to media skew or other factors</li> <li>ERROR C38 MARK SCALE</li> <li>This error occurs during continuous register mark copying when a registration mark is skipped, and the subsequent registration mark is detected, resulting in significant scale correction beyond ±30%.</li> <li>If the plotter does not operate correctly after performing the above steps, refer to the operation manual.</li> <li>Chapter 3 Function <ul> <li>Check the registration mark sensor's response.</li> <li>Adjust the position of the light pointer.</li> </ul> </li> </ul>



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