

Adding Registration Targets for Laser Cutting Printed Materials

Overview

1. Start with a file containing art and laser die cutting lines on separate layers.
2. Add a layer with cut registration targets as described.
2. Print the art and registration target layers
3. Provide us with an .ai or .pdf file containing the laser die cut and registration target layers.

Laser die cutting pre-printed work requires the inclusion of special registration targets on the print job. Missing or improper targets will lead to processing delays, reduced tolerances and additional cost for manual registration.

We would be happy to review your press sheet before you go to press to ensure compatibility.

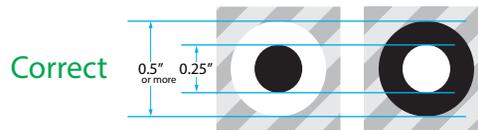


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Registration Targets

Standard – 1/4" black circle centered inside a 1/2" or larger white circle.

Reversed – On reflective materials, the colors can be reversed. If including reversed targets, include a set of standard targets as well.



Incorrect
(non-contrasting or confusing background)



Incorrect
(Improper sized dot or background)



If using spot colors, the combination of two inks or ink and substrate should be selected to provide maximum contrast. Include both types of targets for best results.



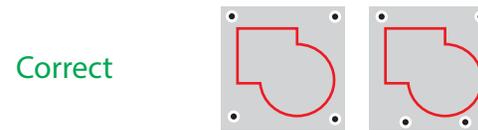
Incorrect
(poor contrast)



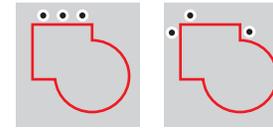
Target Placement

A minimum of 4 targets are required for registration. More targets will increase accuracy on extremely tight tolerance jobs.

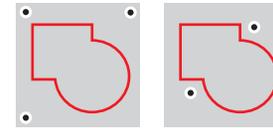
Targets should be positioned at the perimeter corners of the cut area.



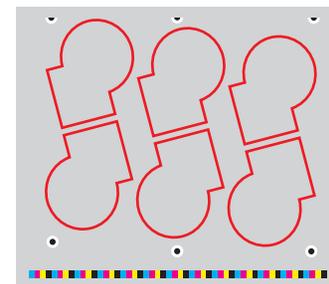
Incorrect
(positioned in a line or insufficient spread)



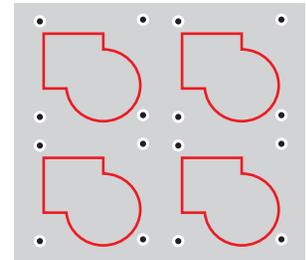
Incorrect
(too few marks)



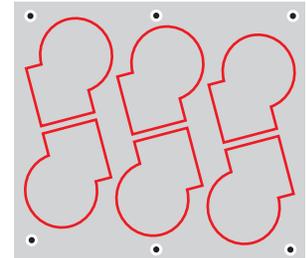
Incorrect
(marks placed too close to non-printing gripper area)



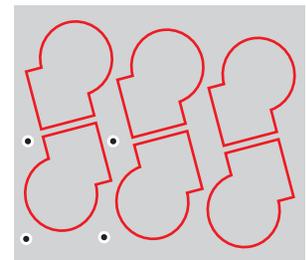
Correct



Correct



Incorrect
(incorrectly positioned marks)



Important!

- The file must contain the registration targets exactly as they were sent to press.
- Maximum cutting area is 48"x27"
- If the material width exceeds 45", position the left-most registration marks 3" from the left edge of the material. Smaller materials may position marks near the edge.