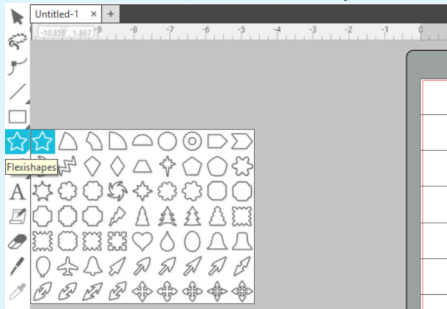# Cookie Cutter- Silhouette To Tinkercad

Follow this guide to turn any simple shape into a cookie cutter in Silhouette and then transform it into a 3D object in Tinkercad.

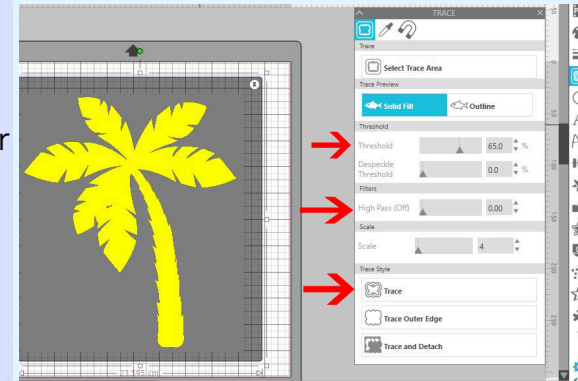**1**

- Open Silhouette Studio
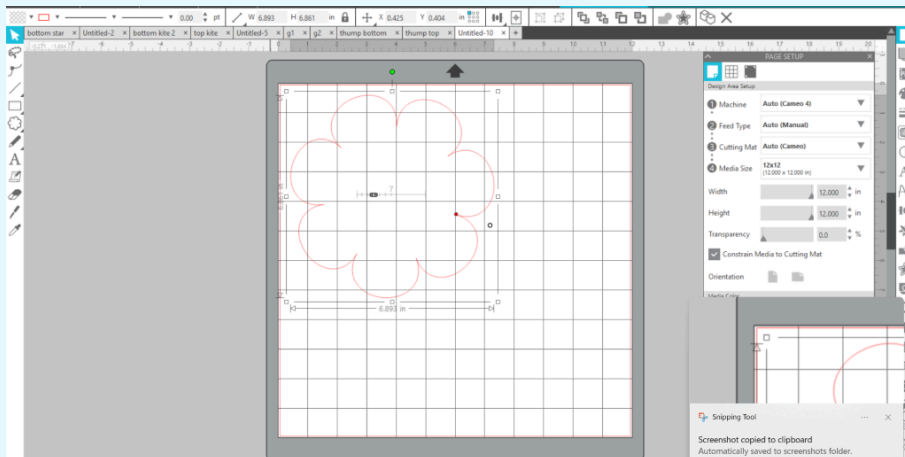- Choose a shape which can be found on left side tool bar clicking the star shape

2

- Alternatively, you can create your own shape using the Tracing tool by clicking on the butterfly icon
1. Click Select Trace Area
2. Drag and trace whole image
3. Traced image will appear yellow
4. Click Trace
5. Pull away original image
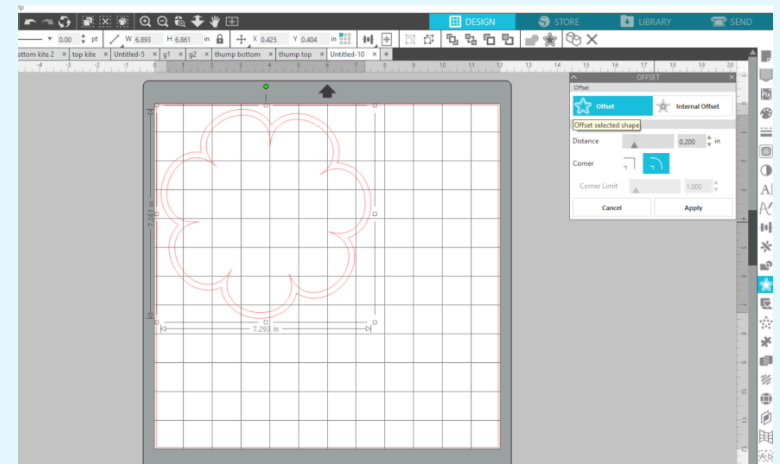6. Outline will appear as red cut lines.

3

- Size image to the approximate size you want the cookie cutter
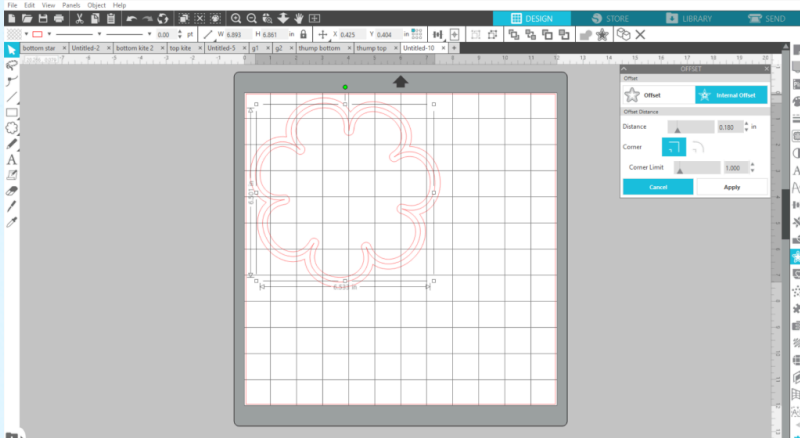- Click red outline

4

- On the right side tool bar click on the Offset icon
- A pop up box will appear, click Offset in box
- In the Distance section change the number to 0.2"inches. A copy of the outline will appear on the outside of the original
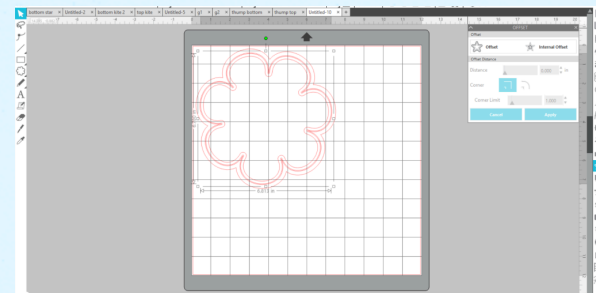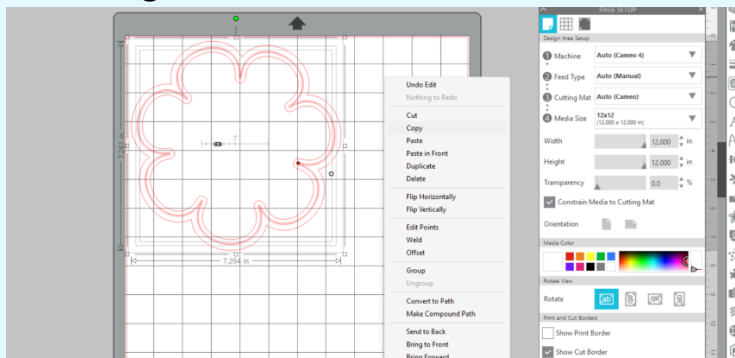
Cookie Cutter- Silhouette To Tinkercad

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5
- Click back to original red outline of the design
- In the Offset box click Internal Offset
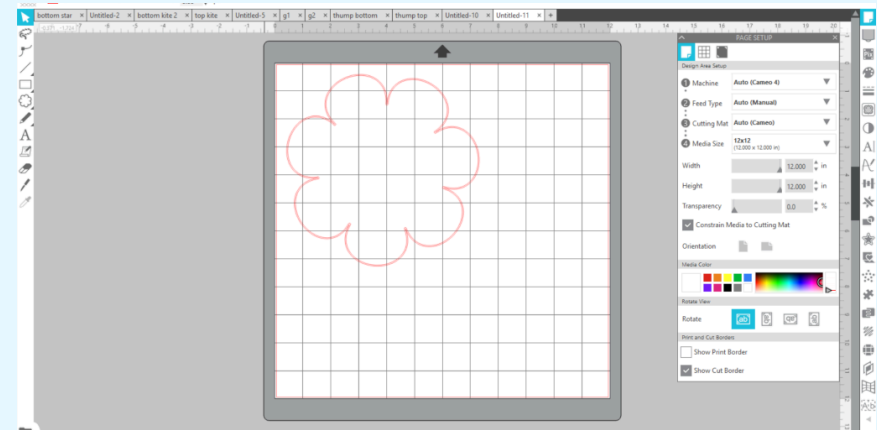- Change the Distance number to 0.1" then click Apply

6
- Click back to original red outline of the design
- Choose Internal Offset again but change Distance to .040"
- This will leave you with 4 lines - 3 rings
- Now save this file by Save As> bottom _____
- Save .SVG bottom _____

7
- Now you need a copy of all the red outlines. Do this by left clicking on the white beside the outer most redline, hold and drag so you capture all the lines.
- Right click then Copy
- Paste into a new tab (This should paste aligned with the original)

8
- In the new tab delete the innermost and outermost ring
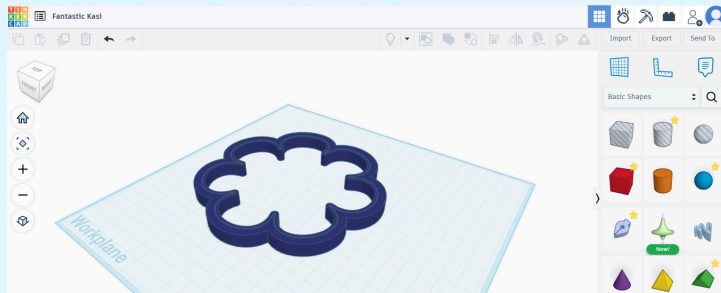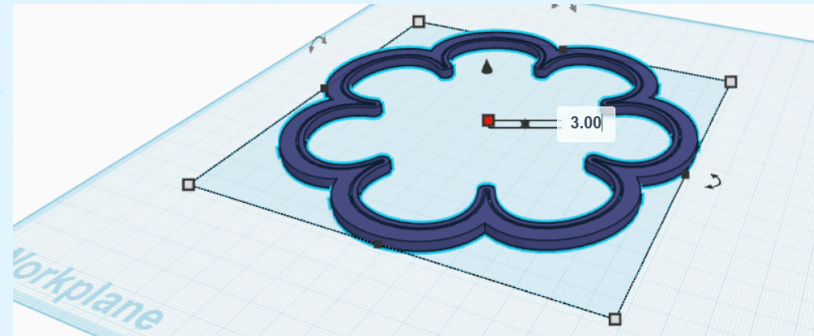- Save this file as top _____
- Save .SVG top_____

9

- Open a new browser and then open TinkerCad
- Click the blue button +Create (+ Create) > 3D Design
- A new window with a work plane will open. On the right side of the screen click Import > Choose A File
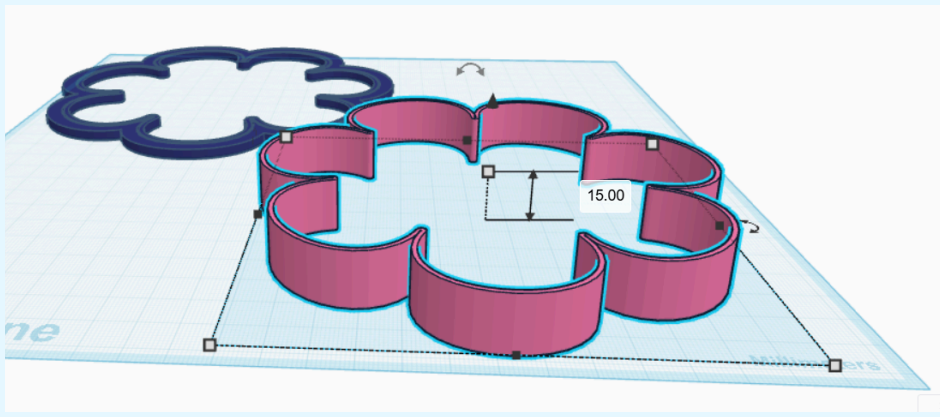- Choose Bottom SVG file > Import

10

- Click on the shape. Five white squares appear, one in each corner and one in the center
- Hoover the mouse over the center square and a white box with a number will appear. Change that number to 3.00mm
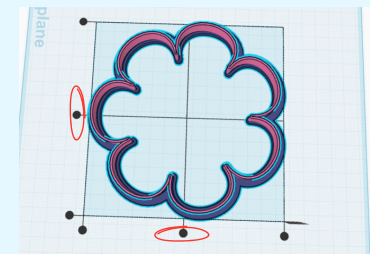
11

- Now Import the Top SVG file
- Repeat the center height adjustment but to 15mm

- Move the Top so it matches up with the Bottom

12

- To align the shapes click on the workplane and drag the mouse to highlight both shapes.
- Click Align . A box will appear with black dots> Click the two center dots.

- Now click the Union Group button . By grouping the two shapes, it is now one
- Click Export > .STL
- Congratulations the Cookie Cutter is now ready to be 3D Printed!