

Artistic Digitizer – Splitting Objects

Created by: Nancy Fiedler, Education

The knife tool allows you to split objects to easily create new shapes for use in your designs.



Time: 3 hours

Skill Level: Intermediate

Janome Supplies Required:

- Artistic Digitizer
- Any Janome Embroidery Machine
- Square hoop
- Embroidery foot P
- High Tension Bobbin Case
- Janome Prewound Bobbin
- Janome Blue Tip Needle
- Janome Red Tip Needle
- Piping foot I
- Zipper foot E

Student Supplies:

- Laptop with Artistic Digitizer installed
- Mouse
- Thread Snips

Fabric Notions Required:

- 16" x 16" main color
- Triangles on a Roll 2" finished Block Half Square Triangle
- 7" x 13" main color
- 7" x 13" contrast color
- 8 ½" x 8 ½" main color
- Four 2 ½" squares main color
- Terial Magic Liquid Stabilizer
- 1 package premade piping
- Two 6 ½" x 12 ½" main color
- 14" zipper
- 12" pillow form

Exercise 1 Splitting Objects

At Computer - Practice Splitting Exercise 1 -Splitting Objects

1. Open Artistic Digitizer
2. In Welcome window click once on Hoop



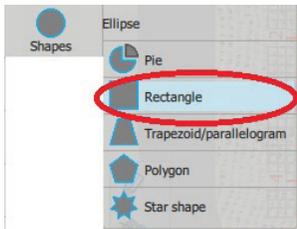
then choose your brand and machine.



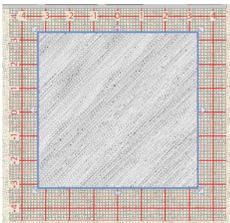
3. Select large square hoop for your machine. (SQ23 was used for the sample)

Artistic Digitizer – Splitting Objects

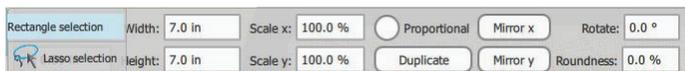
4. Click Create New. 
5. From Techniques  choose Embroidery > OK.
6. Hover on Shapes tool > select Rectangle.



7. Drag cursor to create square in hoop.



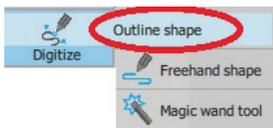
8. Click Selection tool. 
9. With object selected; on Tool Options bar deselect Proportional (no check mark) > change Width to 7in and Height to 7" > press Enter on keyboard.



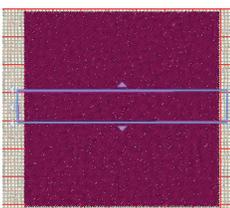
10. Eliminate outline stitches by clicking X outline box of Used Colors Bar.



11. Click off object to deselect.
12. Hover on Digitize tool > select Outline Shape.



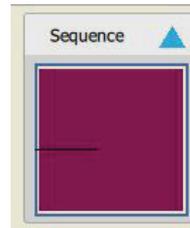
13. Draw a rectangle in middle of square object slightly wider than original object.



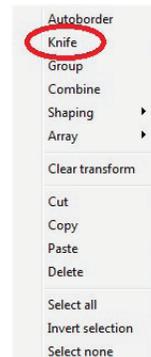
14. Click Selection tool. 
15. Eliminate fill stitches by clicking X in fill box of Used Colors Bar. You now have a filled square and an outline only rectangle. The outline will be used to split the square object.



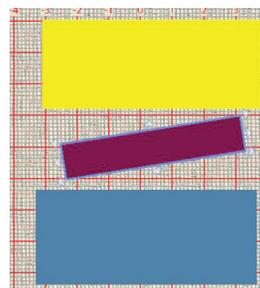
16. Click the objects in the Sequence bar. You have now selected both the filled object and outline.



17. Right click on objects in hoop > select Knife from pop up window.

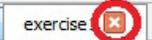


18. Change to Manual Sequence by clicking Auto Sequence tool.  Three new objects appear in the Sequence bar.
19. Click off object to deselect.
20. Select each of the new objects to move, resize, change color.



Artistic Digitizer – Splitting Objects

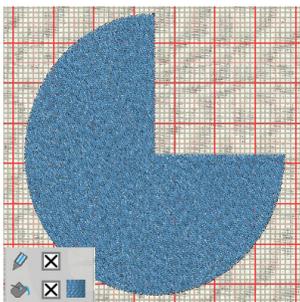
21. Save As, Exercise 1.

22. Close window. 

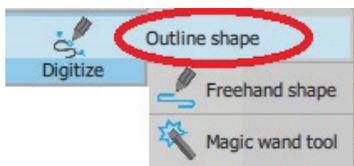
NOTE: When splitting an object with the Knife tool, the object to be split must be a fill and the object that does the splitting is an outline. Both objects must be selected to activate the Knife tool with a right click.

Exercise 2- Splitting Objects

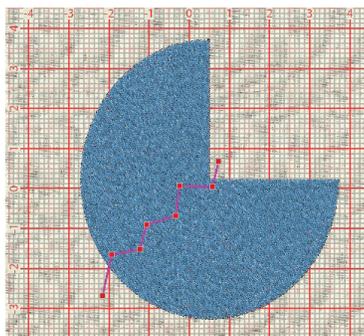
1. From Welcome window > Create New.
2. Hover on Shapes > select Pie.
3. Drag Cursor to create pie in middle of hoop.
4. Click Selection tool > Eliminate outline stitches by clicking X outline box of Used Colors Bar.



5. Click off object to deselect.
6. Hover on Digitize tool > select Outline Shape.

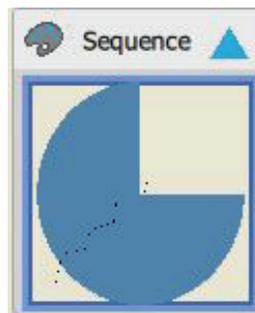


7. Draw crooked line across pie making sure to start and stop slightly outside the fill object.

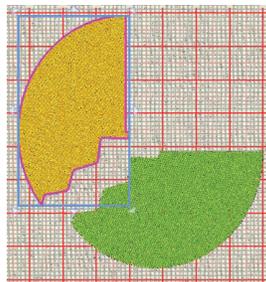


8. Press Enter on keyboard.

9. Click Selection tool > Click the objects in the Sequence bar. You have now selected both the filled object and line.



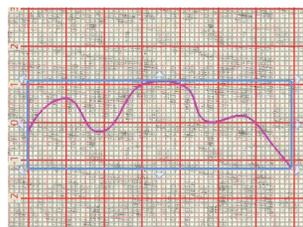
10. Right click on objects in hoop > select Knife from pop up window
11. Change to Manual Sequence by clicking Auto Sequence tool.  Two new objects appear in the Sequence bar.
12. Click off object to deselect.
13. Select each of the new objects to move, resize, change color.



14. Save As, Exercise 2 > Close window.

Exercise 3 - Splitting Outline: There may be times you need to split an open line into separate sections, follow these steps.

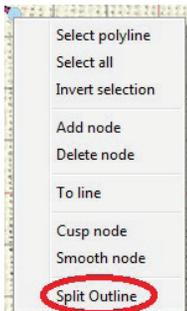
1. From Welcome window > Create New.
2. Hover on Digitize tool > select Outline Shape.
3. Draw a curved line > click Selection tool.



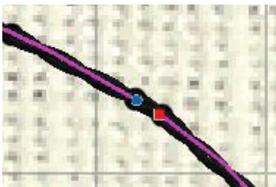
Artistic Digitizer – Splitting Objects

4. Click Edit Nodes. 

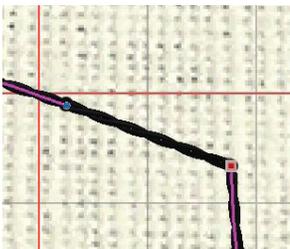
5. Right Click on Node where you want to make the split > select Split Outline from pop up window.



6. Zoom in close to see two nodes.

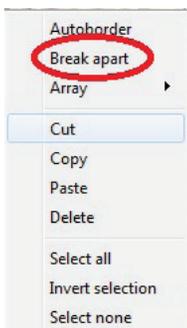


7. Move nodes to desired position.



> click Selection tool.

8. To separate the line, right click on outline object > select Break Apart from pop up window.



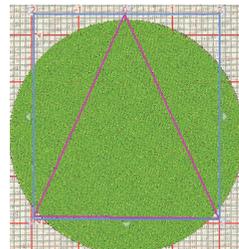
9. Save As, Exercise 3 > close window.

Digitizing Directions: Vase of Flowers Project - Splitting a Circle

1. From Welcome window > Create New.
2. Hover over Shapes tool > select Ellipse.
3. Draw a circle > click Selection tool.
4. With object selected; on Tool Options bar deselect Proportional (no check mark) > change Width to 5in and Height to 5in > press Enter on keyboard.



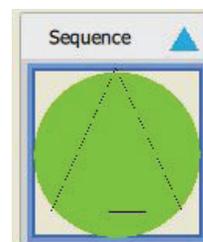
5. Eliminate outline stitches by clicking X outline box of Used Colors Bar.
6. Click off object to deselect.
7. Hover on Digitize tool > select Outline Shape.
8. Draw a triangle in middle of circle object slightly wider than original object.



> Click Selection tool.

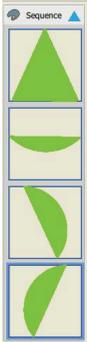
Note: The triangle can be any size you desire as long as the points are slightly outside the circle object.

9. Eliminate fill stitches by clicking X in fill box of Used Colors Bar. You now have a filled circle and an outline only triangle. The outline will be used to split the circle object.
10. Click the objects in the Sequence bar. You have now selected both the filled object and outline.



Artistic Digitizer – Splitting Objects

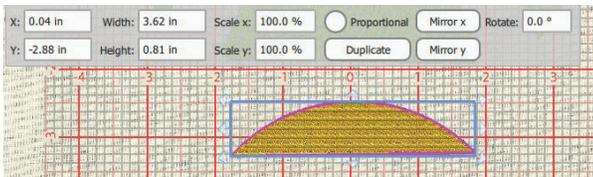
- Right click on objects in hoop > select Knife from pop up window.
- Change to Manual Sequence by clicking Auto Sequence tool. Four new objects appear in the Sequence bar.



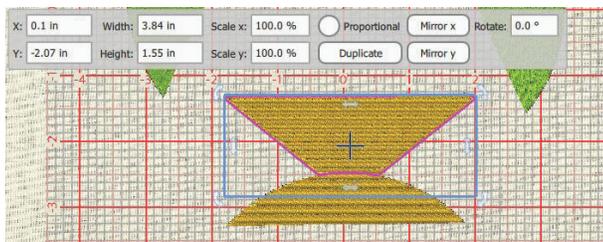
- Click off object to deselect.
- Select each of the new objects and move to separate.

Creating the Vase:

- Select bottom arc > Mirror y > change color to gold.

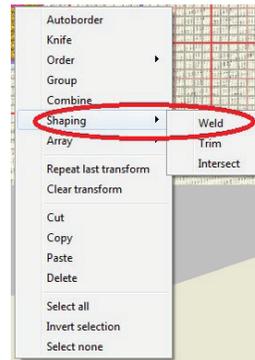


- Select triangle > Mirror y > change color to gold > change Height to approximately 1.5" > move on top of bottom arc overlapping as desired.

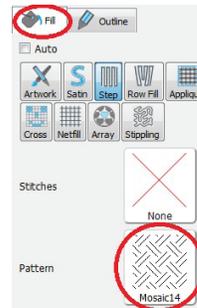


Note: Your vase will look different than the sample. You are the designer create the vase as you desire.

- Select both gold objects > right click on selected objects > select Shaping > Weld from pop up window.



- Click Properties tab from lower right-hand side of window.
- From Fill tab > Pattern > Mosaic14.

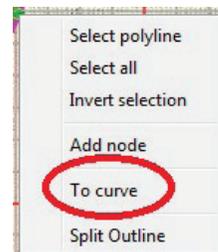


- Click Outline tab and select Satin Serial to add a satin stitch outline to the vase.



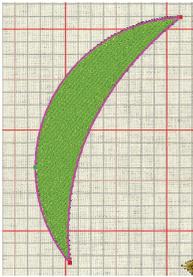
Creating the Leaves

- Select one arc > resize as desired > change color to green.
- Select Edit Nodes.
- Right click on line > select To Curve.



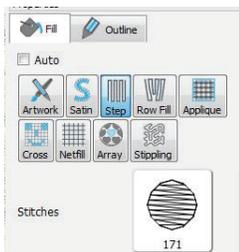
Artistic Digitizer – Splitting Objects

4. Drag line in to form leaf shape.

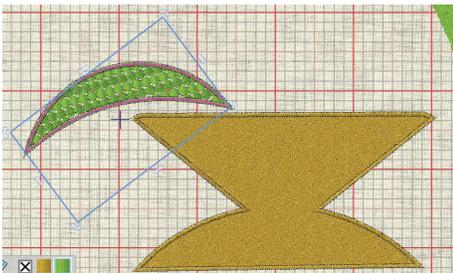


Note: Your leaf will look different than the sample. You are the designer create a leaf of your liking.

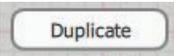
5. Click Selection tool > Properties > Fill Tab > Stitches > 171



6. Outline Tab > Satin Serial
7. Move leaf to vase.

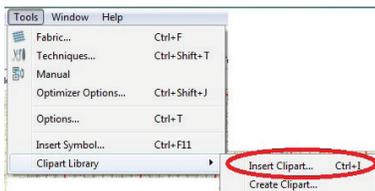


8. Delete remaining arc.
9. Select leaf > click Duplicate > move second leaf to desired position.
10. Repeat for desired number of leaves.

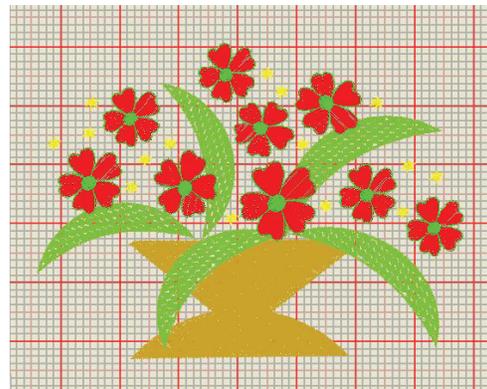


Add Flowers

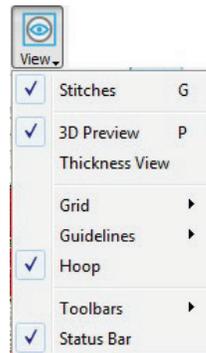
1. Tools > Clipart Library > Insert Clipart.



2. Search for Flower in Name bar > select Flowers05 > Insert.
3. Click in hoop to create flower. Move to desired position.
4. Duplicate as many flowers as desired.
5. Tools > Insert Symbol > Wingdings > select the star > Insert.
6. Drag cursor to create small star > click Selection tool.
7. Change size of star to .25in in Width and Height.
8. Eliminate outline stitches by clicking X outline box of Used Colors Bar.
9. Change color to yellow.
10. Duplicate and arrange several star flowers in the arrangement.



11. To view the design as it would be stitched out, click View > select 3D Preview.



12. Save as floral.draw in a folder of your choice.
13. Insert USB stick into laptop.

Artistic Digitizer – Splitting Objects

14. Click Export > To USB Storage.



15. Navigate to the folders on your storage device > choose desired format > Export.

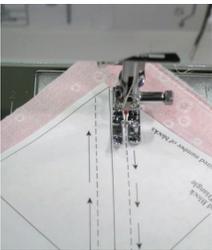


Embroidery Directions:

1. Saturate 16" square main color with Terial Magic.
2. Hang to dry 15-20 minutes, then press until crisp.
3. Center fabric in SQ23 hoop.
4. Embroider floral design.
5. Centering embroidery design cut block to 8 1/2" x 8 1/2".

Half Square Triangles Borders:

1. Place 7" x 13" strips right sides together. Pin Triangles on a Roll to wrong side of one strip.
2. Sew on dotted lines in direction of arrows.



3. Cut on solid lines.



4. Remove paper, press seams open, then trim off dog ears.



5. Sew all units together in pairs with contrast color sides centered.



6. Press seams open.

7. Sew four strips of two triangle units, press seams open.



8. Sew 2 1/2" squares at both ends of two strips.



9. Sew borders to embroidered center.



Artistic Digitizer – Splitting Objects

Final Construction:

1. Use Piping foot P to attach piping to pieced top.
2. Sew zipper right side to right side of 6 ½" x 12 ½" cotton.



3. Sew opposite side of zipper to second 6 ½" x 12 ½" cotton to make pillow back.



4. Open zipper half way, place back and pieced top right sides together.
5. Sew around all four sides.
6. Turn right side out through zipper opening, insert pillow form.

