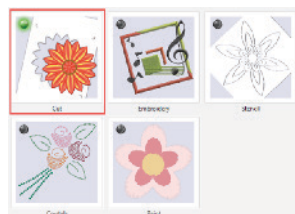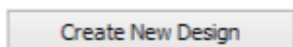## Create Lettering to Cut

1. Open the **SimpleCut software**.

2. In the *Design* dialog, place a bullet in **Create New** and click <Next>.

3. In the *Techniques* dialog, select just the **Cut** option and <Next>.

4. Click <Create New Design>.

Create New Design

5. Click on the *Cutting Mat* icon, and select a mat and click <OK>.

6. Use the *Zoom Preset* dropdown to select the 25% actual view preset.

7. Select the *Edit Text* icon. The *Tool options*: interactive menu shows the text editing options.

Tool options

Font size 0.79 " ☐ Bold ☑ Smart text
Font name Arial ☐ Italic Abbreviations
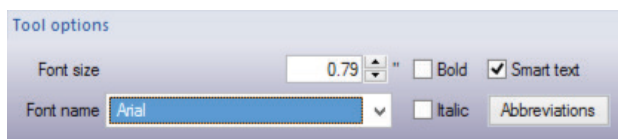
Tip: Click on the Help icon at any time, then click any icon, menu or window that is selected to display instant help for that item.

8. Use the *Font Name*: dropdown menu to select a thick font (such as **Arial Black**) that will cut easily.

9. Click on an area of the mat and type your name or the word "Artistic."

10. Click on the *Rectangle Select* icon.

11. Select an Outline color for the text. With the lettering selected choose a color from the *Palette* below the workspace.
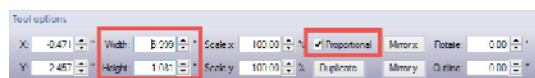
    Click the upper left corner of the color chip for *Outline* color.

    To select an Outline, click on the upper left corner of a color chip in the Palette. Click in the lower right for Fill.

12. Click in the lower right corner of another color chip to select a *Fill* color.

Outline 🖊 Fill

Tool options

X: -0.471 Width B.399 Scale x 100.00 ☑ Proportional Mirror x Rotate 0.00 °
Y: 2.457 Height 1.08 Scale y 100.00 % Duplicate Mirror y Outline 0.00 °

13. Resize the lettering by entering a value of **6 inches** for **Width** in the *Tool Options*. Make sure there is a checkmark in *Proportional* scaling.

14. Select and *Zoom* into the lettering by clicking on the plate in the *Sequence Manager*.

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Create Lettering to Cut

Note: The *Sequence Manager* becomes visible when the object is selected.
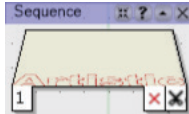
15. The lettering can be manually resized proportionally by dragging the corner *Resize cursor* icon.

CURSOR ICONS

MOVE (inside object)

RESIZE (inside corner)

ROTATE (outside corner)
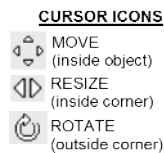
16. The cursor icon changes depending on the active function.

17. Resize the lettering disproportionally by dragging downward or outward on the central control point for length or width.

18. Check *Tool Options* above the workspace and adjust if necessary for exact width and length measurements.

19. The *Object Properties* dialog shows the active technique. **Cut** should be selected. Click on *Cutter presets* to select the desired settings for the material that will be used.
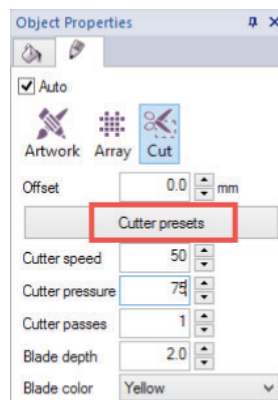
20. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and To *Cutters*. Select the cutter and **<Connect>**.

21. Follow User Guide instructions to cut the design on the Edge cutter.

22. Select *File > Save As* to save the design as *Lettering.Draw.*

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Artistic Experience

Using Insert Symbol to Create a Design
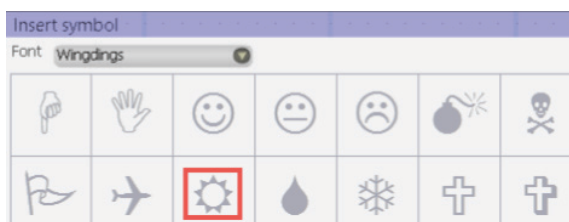
1. Click on the **New** icon.

2. Place a bullet in the **Cut, Embroidery, Crystals** and **Paint** technique Click <Next>.

3. In the *Fabric* dialog, select *Embroidery Normal* and *Standard Normal* then click <Next>.

4. In the *Artwork source* dialog, place a bullet in **New Graphic** and select the appropriate cutting mat. Click <Finish>.
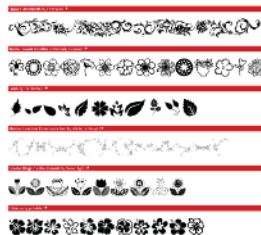
5. In the **Tools** menu, drop down to select *Insert Symbol*.

6. All fonts installed on your computer are available in the Insert Symbol dialog. New graphic style fonts can be added from sites like *dafont.com*. Select a font, download and install on your computer.
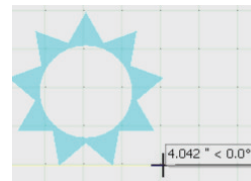
7. **Wingdings** is the default font. Scroll down to select the sun and click <Insert>.

8. The dialog disappears and the cursor becomes a cross. Click, hold down the mouse and drag to create the shape. The angle of the design and the size of the design are available on the cursor symbol.
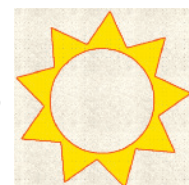
9. When the symbol is about 4 inches, click to create the design.

10. Select an Outline color for the sun by clicking in the upper left corner of the color chip for Outline color.

11. Click in the lower right corner of another color chip to select a Fill color.

*Note: The palette is divided into **Threads** and **Brushes**, the threads palette defaults to Embroidery techniques and the Brushes palette defaults to Paint techniques. **The techniques can be overridden at any time in the Object Properties dialog.***

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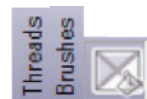
Create An Appliqué Design

1. Select the plate in the *Sequence Manager* to select the design.

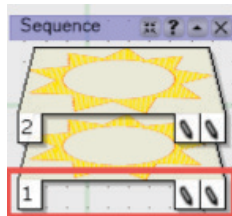2. Click on the *Copy* icon, then the *Paste* icon.

3. To create a cutting design for the applique, select the first plate in the *Sequence Manager.*

4. Select the *Outline* of the design in *Object Properties* select **Cut**.

5. The first color chip in each palette represents **None**. Select the lower right corner of this color chip to eliminate the *Fill* properties.

6. The first plate of the design will cut. Create the coordinating applique design by selecting the second plate in the *Sequence Manager*.

7. Select the *Fill* tab in *Object Properties*, and select **Appliqué**.

8. Place a checkmark in the option for **Fabric Trim**.

9. Activate the dropdown menu to select **Pre-Cut**.
   Note: This option provides an outline to place the pre-cut piece and the selection of a cover stitch to secure the applique.

10. Click on Cutter presets to select the *Fabric setting* for the appropriate stabilizer. (Fabric treated with Terial Magic or fusible webbing.)

11. Select *File > Save As* to save the design as *Appliqué.Draw*.

12. Click on the **Outline** tab (pencil) at the top of *Object Properties*.

13. Select **Running**. Browse the stitches in the *Object Properties* dialog, there are almost 400 decorative stitches to choose from.

14. The sample design uses stitch **#94** with a checkmark in **Mirror Style**.

15. Place a checkmark in **Length** and change the value to **3.0**.

16. When the stitch length is changed, the stich width must be adjusted in the upper *Tool Options*.

17. Enter **0.12"** for **Outline** width. Fig43
    This is the equivalent of 3mm. Move between metric and US measurements using the Tools > Options menu.
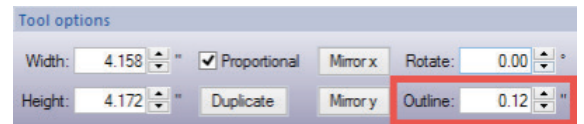
18. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and *To Cutters*. Select the cutter and <Connect>.

19. In the *Export to Cutter* dialog **select only the Cut portion of the design.**
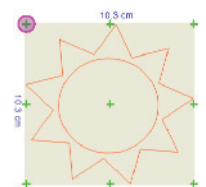
Create An Appliqué Design

20. The companion embroidery design is saved using *File > Save As* and selecting the appropriate file format for your machine.

Tip: Slow Redraw provides an automated way to simulate the embroidery process. Move through object stitches and preview the placement of every stitch.

21. Click on the **Save** icon to save the changes to the *Appliqué.Draw* design.

Artistic Experience
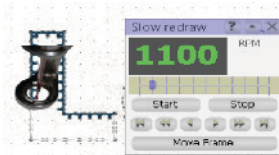
Create a Crystal Design

1. To create a crystal design with *Outline* and *Fill*, select the first plate in the *Sequence Manager* and press the <Delete> key on the keyboard.

2. Select the design by clicking on the remaining plate in the *Sequence Manager*.

3. Select **Outline** in *Object Properties* and select **Crystals**.

4. To create a crystal fill, select the **Fill** tab in *Object Properties* and select **Crystal Fill**.

5. To change the layout of the crystals, use the *Fill* dropdown menu in *Object Properties*. Select the option for **Contour fill**.

6. The default crystal size is 10ss. Different sizes and colors of crystals are available in *Object Properties*. Resize if necessary.

7. Click on *Cutter presets* to select the Crystal Template material.
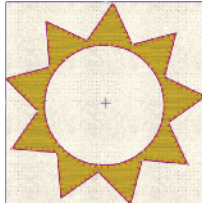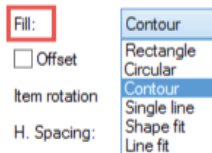
8. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and *To Cutters*. Select the cutter and <Connect>.

9. The *Export to Cutter* dialog gives the best preview of the actual template layout. Check the distance between the crystal holes.

10. Click the **Save** icon to save the changes to the *Crystal.Draw* design.

Create a Painted Design

1. Select the design by clicking on the plate in the *Sequence Manager*.

2. Select **Outline** and in *Object Properties*, select **Line**.

3. To create a *Paint fill*, select the **Fill** tab in *Object Properties* and select **Paint Net Fill**.
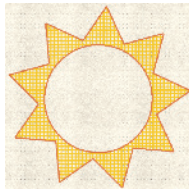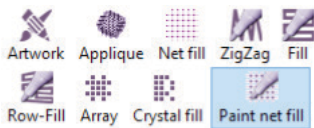
   Note: There are many options for Paint Fill and the density can be adjusted to create a striped fill.

4. Click on *Cutter presets* to select the option for **Paint**.

5. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and *To Cutters*. Select the cutter and <Connect>.

6. Click on the **Save** icon to save the changes to the Paint.Draw.

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Create a Stencil Design

1. Click on the **New** icon.

2. In the *Techniques* dialog, select just the **Stencil** option.
   Remove the bullets from all other techniques. Click <Next>.

3. In the *Artwork* source dialog, place a bullet in **From Artwork** and select the icon to browse for available graphics.

4. In the *Creative Drawings SimpleCut Samples* folder, open the *Cutting Samples folder* and *Vector Designs - SVG folder*.
   (location C:\Users\Public\Documents\ Creative DRAWings SimpleCut Samples)

5. Select **maple_5in.svg** and <Open>.

6. Select your mat from the *Cutting Mat* dropdown menu, and <Finish>.

maple_5in.svg

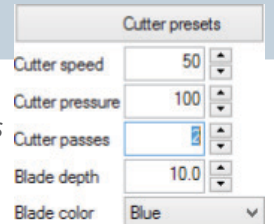7. Use the *Zoom Preset* dropdown to select the 25% actual view preset.

8. Select the design and hover the cursor over the active design until the **Move** icon appears. Move the design onto the mat.

9. Move the cursor to the outside corner of the active design until the **Rotate** icon appears. Rotate the design to the desired position.

10. In *Object Properties* select **Stencil**.

11. Click on *Cutter presets* to select the *Stencil material settings*.

12. Select the *Edit Shape Nodes* icon. Add a *Stencil Bridge* with a <Right Click> on a Green (smooth node) or Red (cusp node.)

13. Select **Stencil Bridge** from the pop-up menu and a gap is created in the linework.

14. Continue around the design creating bridges to strengthen the stencil. Fig61

15. Click on *Cutter presets* to select the **Stencil Plastic material.**

16. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and *To Cutters.* Select the cutter and <Connect>.

17. Click the **Save** icon to save the design as Stencil.Draw.

Cutter presets		
Cutter speed	50	
Cutter pressure	100	
Cutter passes		
Blade depth	10.0	
Blade color	Blue	

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Create Print & Cut

1. Click on the **New** icon.

2. Place a bullet in the **Cut** and **Embroidery** technique options.
   Remove the bullets from all other techniques. Click <Next>.

3. In the *Fabric* dialog, click <Next> for the *Standard* background.
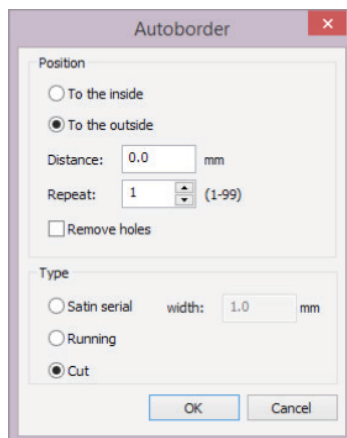
4. In the *Artwork source* dialog, place a bullet in **From Artwork** and select the icon to browse for available graphics.

5. In the *Creative Drawings SimpleCut Samples* folder, select **ASC-00069.cmx** and <Open> Click <Next> and <Finish>.

   ASC-00069.cmx

6. Select the design by clicking on the plate in the *Sequence Manager*.

7. In *Object Properties* select **Artwork**.

8. <Right Click> on the active design and select **Autoborder**.

9. Place bullets to select **To the Outside** and **Cut. Distance = 0.0** <OK>.

10. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and *To Cutters*. Select the cutter and <Connect>.

11. Select **Print & Cut**. The wizard provides detailed instructions.

12. Select **Print** and <OK> to send to a Printer. <Next>.

13. Affix the printout to the Low Tack mat, aligning with the grid.

14. Position the laser over the cross (1) as indicated in the *Print & Cut Wizard*. Follow the onscreen guide to complete the process. Fig65
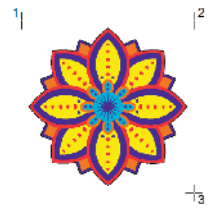
15. Click the **Save** icon to save the design as *Print&Cut.Draw*.

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Create a Photopaint Design

1. Click on the **New** icon.

2. Place a bullet in only the **Paint** technique option.
   Remove the bullets from all other techniques. Click <Next>.

3. In the *Fabric* dialog, click <Next> for the Standard background.

4. In the *Artwork source* dialog, place a bullet in From Artwork and select the icon to browse to *C:\Users\Public\Pictures* and locate a photograph of your choice and <Open> Click <Next>.

5. Place a bullet in *Open as Photo Paint*. Click <Next> and <Finish>.

6. Select the design by clicking on the plate in the *Sequence Manager*.

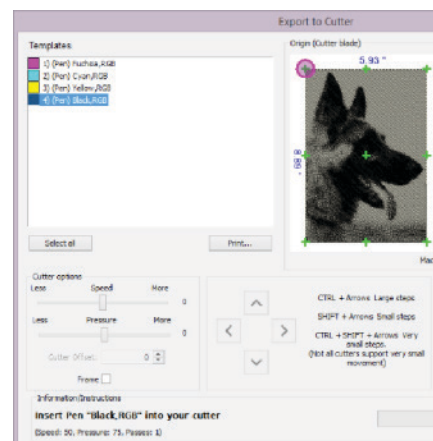7. In *Object Properties* change the **St. density to 1.0 mm** and <Enter>.

8. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and *To Cutters.* Select the cutter and <Connect>.

9. The design can be drawn with all four colors or only the Black color selected for a monochromatic image.

Tip: CMYK refers to the four inks used in color printing: cyan, magenta, yellow, and black.

10. Click on the **Save** icon to save the changes to the *PhotoPaint.Draw*.

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Artistic Experience

Lesson 9

Crystal Editing with Embroidery

1. Click on the **New** icon.

2. Place a bullet in the **Crystals** and **Embroidery** technique options. Remove the bullets from all other techniques. Click <Next>.
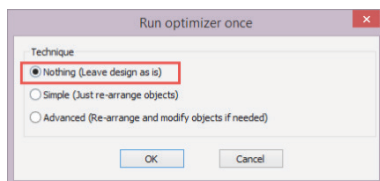
3. In the *Fabric* dialog, click <Next> for the *Standard* background.

4. In the *Artwork source* dialog, place a bullet in **From Embroidery** and select the icon to browse for available embroideries.

5. In the *Creative Drawings SimpleCut Samples* folder, select *CDW0095.ngs* and <Open> Click <Next> and <Finish>.

CDW0095.ngs
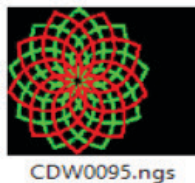
6. De-select the *Auto-Sequence Control* icon. Select Nothing (Leave design as is) and <OK>.

7. Select the top plate (Red) in the *Sequence Manager*.

8. Select *Copy* then *Paste*.

9. Select **Outline** in *Object Properties* and select **Crystals**.

10. Change **Spacing: to 2mm** <Enter>.

11. In the upper *View* menu, dropdown to activate *Overlapping Crystals*.

12. The default crystal size is 10ss. Change the crystal color to **Jet**.

13. Click on *Cutter presets* to select the crystal template material.

14. Delete or move crystals by selecting **<Separate to Crystal>** at the bottom of *Object Properties*.

15. Right Click in the selected crystal object and select **Ungroup**.

16. Click on one of the overlapping crystals (indicated with Red X's) and press the <Delete> key.
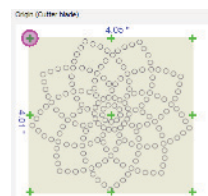
    Tip: Fig71 Create Crystal Shape – This tool can be used to place individual crystals in a design.

17. Select and move one of the crystals to eliminate the overlapping holes (indicated with Yellow X's).

18. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and *To Cutters*. Select the cutter and <Connect>.

19. The *Export to Cutter* dialog gives the best preview of the actual template layout. Check the distance between the crystal holes.

20. Click on the **Save** icon to save the design as *Crystal-Separated.Draw*.

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Lesson 10

Advanced Print & Cut

1. Click on the **New** icon.

2. Place a bullet in the **Cut** technique option. Remove the bullets from all other techniques. Click <Next>.

3. In the *Fabric* dialog, click <Next> for the *Standard* background.

4. In the *Artwork source* dialog, place a bullet in **From Artwork** and select the icon to browse to *C:\Users\Public\Pictures* and locate a photograph of your choice and <Open> Click <Next>.
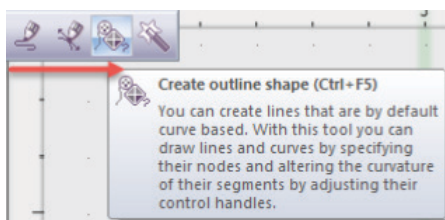
5. Place a bullet in **Open as Backdrop** and <Finish>.

6. Click and hold the *Create Freehand icon*, drag to the right to activate the fly-out menu.

7. Select the **Create Outline Shape** icon.

Create outline shape (Ctrl+F5)
You can create lines that are by default curve based. With this tool you can draw lines and curves by specifying their nodes and altering the curvature of their segments by adjusting their control handles.

8. Outline the desired cutting area by clicking around it.

9. Click to create curved lines. **<Shift> + Click** to create straight lines and corner points.

10. Click to start the outline. Move around the shape clicking.

11. Use the <Backspace> key to erase a point.

12. To close the shape use <Shift> + Click on the original point.

13. The selected area is highlighted. Click the *Rectangle Selection* icon.

14. Use the *Edit Shape Nodes* icon to make any needed adjustments.

15. Send the design to the Cutter by selecting the *File* dropdown menu. Select *Export* and *To Cutters*. Select the cutter and <Connect>.

16. Select **Print & Cut**. The wizard provides detailed instructions.

17. Select **Print** and <OK> to send to a Printer. <Next>.

18. Affix the printout to the Low Tack mat, aligning with the grid.

19. Position the laser over the cross (1) as indicated in the Print & Cut Wizard. Follow the onscreen guide to complete the process.

20. Click the **Save** icon to save the design as *Outline-Print&Cut.Draw*.

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