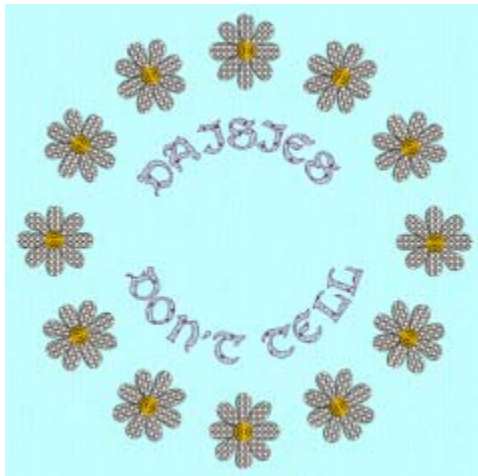PFAFF®

Splitting Large Embroideries
In 5D™ Embroidery Extra and 5D™ Design Aligner Software

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Software Modules Used: 5D™ Embroidery Extra, 5D™ Stitch Editor, 5D™ Design Aligner

5D™ Split Project Wizard in 5D™ Embroidery Extra and 5D™ Design Aligner in 5D™ Design Enhancer and 5D™ Suite allow us to create large embroidery (up to 2 meters) and split for smaller hoops automatically. 5D™ Split Project Wizard's automated splitting process and template tools allow us to quickly split large embroideries for smaller hoops. 5D™ Design Aligner has more advanced and flexible options for selecting and placing the splitting lines, giving finer control over the final split process.

Reset All Modules

1. Open **5D™ Embroidery** 5D.
2. QuickLink to **5D™ Configure** 🛠.
3. Click on **Reset All Modules**.
4. Click **OK** to the message, '**All modules will be closed and reset to their default settings**'.
5. When you see the message, '**Please confirm that all modules except 5D™ Configure are now closed**', ensure no other modules are open in the background. If they are, click on the module(s) in the background, and close after saving any work that might be in progress. Click **OK** to the '**All modules will be closed**' message when you have verified all other modules are closed.
6. Click **OK** to the message, '**All modules are now reset to their default settings**'.
   Resetting the Modules will make all menus appear as they first installed, will reset all browse windows to their default size and folder, and will make the Control panels and toolbars reset to default. No changes will be made in custom settings such as MyThreads, MyMachines, or MyHoops.

7.   Click **OK** to close **5D™ Configure**.

Create a Large Embroidery

1.   Open the **Desktop icon** . From the Program Folder, open **5D™ Embroidery** .

2.   Click **Hoop** . Check **Enter Hoop Size** in Enter Size. Change Width to **508mm (20")** and Height to **508mm (20")**. Click **OK** to Hoop Selection.
     A large, generic hoop will appear on the Work Area.

3.   Select **Preferences** . Ensure Grid Size is **25mm**. Click **OK** to Preferences.

4.   Select the **Motif tab**.

5.   In MiniDesigns, select **Flowers 1**. Select **design 1**, the daisy in the first row, first column.
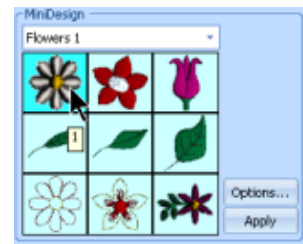
6.   Click **Options** in the MiniDesign box. Change Size to **75mm**. Click **OK** to Options.

7.   Click **Apply** in the MiniDesign box.

8.   The Daisy will appear in the Work Area of the display, with a select box around it.

9.   Click **Cut** to place the embroidery on the Clipboard Viewer, and remove it from the Work Area of the display.

10. Click **5D™ Stitch Editor** in the QuickLink Toolbar.

11. Click **Paste** . The embroidery will be centered in the appropriate size hoop, within the Work Area.
     This embroidery has long satin stitches that could easily snag during wear. We will add a fill texture with PatternMake.

12. Right click outside the design select box to **deselect**, and end any select tool functions.

13. Click **Draw Next Color Block** in the Display toolbar in the Design tab of the Control Panel. The white color will be selected with a check in the Color Select Box.

14. Select the **PatternMake tab** in the Control Panel.
     Selecting just the white color isolates those stitches so we can stamp a new fill without changing the yellow center!

15. In Stamps, select **Climate** from the drop-down menu. Select the **snowflake stamp** in the third row, second column.
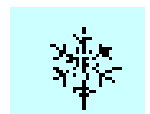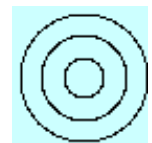
16. Click **Small Stamp** .

17. Click **Remove Needle Points in Fill** ✖ to ensure all stray stitches in the petals are gone.

18. Click **Stamp Fill** 🖌. An animation will play while the stitches are stamping.

19. Select the **Design tab**.

20. Click **Draw Next Color Block** ➤ so color 2, the **yellow center**, is checked in the Color Select Box and visible on the Work Area.
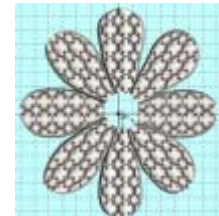
    Note: If you select Ghost Mode 🎚, the remaining stitches will be visible in a pale ghost view but unavailable for changing.

21. Select the **PatternMake tab**.

22. Select the **Misc 3** menu in Stamps. Select the **bulls-eye pattern** in row 4, column 3.

23. Click **Large Stamp** ◇.

24. Click **Remove Needle Points in Fill** ✖ to ensure all stray stitches in the petals are gone.

25. Click **Single Stamp** 🖌.

26. Click and drag the **Zoom slider** to the **right** until the flower center fills the work area of the display.

    With the Zoom toolbar, you can still Zoom on the embroidery while a tool is selected!
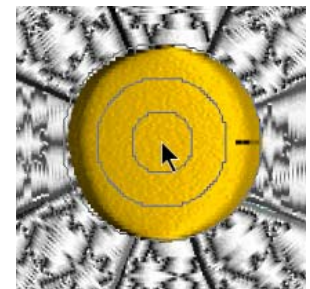
27. Place the mouse cursor over the center of the flower. When the small preview of the stamp is centered over the stitches, click to **stamp the element**.

28. Right-click to **release** the Single Stamp tool.

29. Click **Zoom to Fit** ✤.

30. Select the **Design tab**.

31. Click **Draw All Stitches** 🎚.

32. Click **Copy** 📋 to place the newly patterned embroidery on the Clipboard Viewer.

33. Click the **5D**™ **Embroidery** icon 🔟 in the QuickLink Toolbar.

34. Ensure the original embroidery has been removed from the Work Area.

35. Click **Paste** 📋. The embroidery will appear on the Work Area of the display, centered in the hoop.

36. Select the **Design tab**.

37. Click **Encore**. Select **Circle** in Type. Select **Standard** in Position. Change Number of Repeats to **12**. Select **ColorSort** and **Remove Overlap** in Finalizing Options.

Click **OK** to Encore.

38. Click on any of the selected flowers, and **drag outward** to adjust until the total height of the finished embroidery, from the top of the uppermost flower to the bottom of the lowermost flower, is **18 grid squares**, or about 18".

39. **Right click** to finish Encore and set the embroidery.

40. Click outside the select box to deselect the embroidery, so the lettering will not snap to fit the embroidery.

Add Some Lettering

41. Click the **Letter tab**.

42. Click **View Font** . Click **Browse Up** or **Browse Down** in Category to find **Traditional**.

43. Click the first font in Traditional. Click the **down arrow** on the **computer keyboard** until **Per Gothic UCM 25 to 120mm MF** is highlighted, and the name appears in Font at the bottom of the Font View page.

    Note: Per Gothic is an accessory font available on www.5dpurchasecenter.com under the Fonts section. If you don't have this font, you can quickly download it as it is one of six fonts available at no charge! If you don't have an internet connection available, simply select a font you like in a similar size range. Not all fonts have capability for editing the Motif type, so if you choose an alternate font, simply omit that step.

44. Click **OK**.

45. Click inside the Text box to get a flashing cursor. Type in the following:

    Daisies (CTRL + Enter Key for a new line)

    Don't Tell (Note: Place TWO SPACES between 'Don't' and 'Tell' for better placement in the Full Circle setting)

46. Click **Full Circle** in Line Type. Set Size at **25mm**, the default.

47. Click **Apply** to create the lettering.

48. Place the cursor inside the circle of lettering. When the cursor turns into a four-cross icon, **right click** to open the pop-up editing menu list. Click **Properties**.

| Properties |
| Motif Fill |
| Triple Stitch |
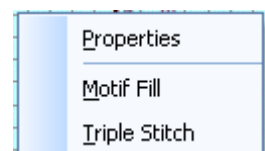
49. Change Size to **30mm**. Change Gap to **50mm** to create more space between individual letters. Leave Height% and Width% at **100**. All other settings are grayed out, indicating they are not applicable for this Line Type.

50. Click **OK**.

51. Place the cursor within the lettering and **right click**. Select **Motif Fill** from the Line Types.

52. Change Group to **PFAFF**®. Change Category to **4.3 D Leaves & Flowers**. Change Pattern to **20**, a daisy. Set Height at **9.0mm**, Width at **14.0mm**, and leave a check in Proportional. Leave Mirror unchecked. Leave Use Motif 2 unchecked. Set Horizontal Gap% at **10**. Set Vertical Gap% at **(negative)-25**. Set Horizontal % Offset to **50**. Set Vertical % Offset at **0**.

53. Click **OK** to Motif Fill Properties.
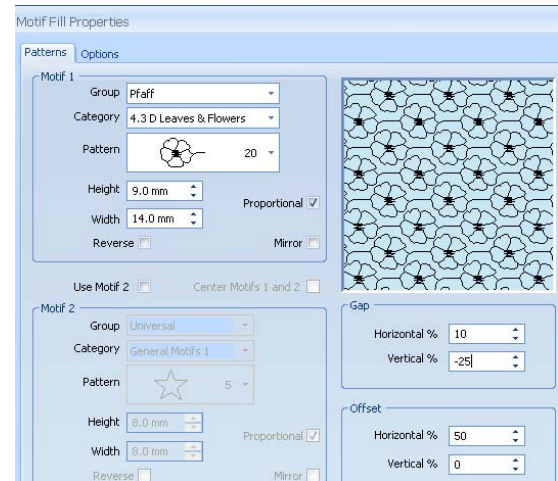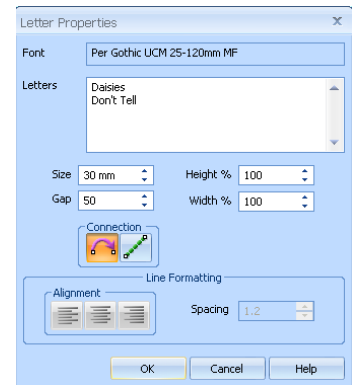
   If you wish the circle of letters to be tighter or more open, you may click and hold on either of the adjusting boxes on the baseline, and drag the circle larger or smaller. Simply keep the adjust box aligned with the vertical grid to keep the placement aligned like the original!

54. Select the **Design tab** to set the letters and finalize the stitches.

55. Click **ColorSort** 🔀 to reduce the lettering color changes to one.

56. Click **Select All** 🔲.

57. Click **Combine** 🔀.

58. Click **Center in Hoop** 🔲.

Cut Apart the Embroidery in 5D™ Split Project Wizard

1. Click **Preferences** 📄. Change Grid Size back to **10mm**. Click **OK** to Preferences.

2. Click the **Split Project Wizard** 🖼️.

3. In the Embroidery Project Wizard – Split Embroidery page, click **Change Hoop** in Hoop Size. Select **PFAFF**® *creative sensation*™ in Hoop Group. Select **260mm x 200mm – creative™ Elite Hoop** in Hoop Size, with Orientation at **Vertical**. Click **OK** to Hoop Selection.

4. Set Overlap to **50mm**.

5. Set Split Method at **Intelligent**, which will work to split 'around' design elements rather than through the middle of the Overlap area.

6. Set Alignment Stitch Style at **Corner**. You could also choose Baste, but Corner is easier to remove.

7. Set Compensation at **None**. Our embroideries should remain complete because they are smaller than the Overlap setting.

8. Set Connection at **Jump Stitch**. We don't want to pick out stitches at the end.

9. Click **Next**.

10. In View, the indicator shows the Preview is Section 1 of 6. Click the **Next** ▶ button to step through the other five sections. Some of the flowers were between two different hoopings.

11. Click the **Back** ◀ button.

12. Change Overlap to **100mm**. Click **Next**.

13. Notice the View shows Section 1 of 12. Click **Next** ▶ to step through the sections.

A larger Overlap area creates more hoopings, but the daisies are not split apart. Lining up more elements creates a more attractive design than lining up areas of fill within a single element.

Notice the corner stitch markers in each section of embroidery! The corner markers stitch into each hooping, and along with templates you'll print, become your tools for aligning the next section that stitches adjacent to the displayed embroidery!
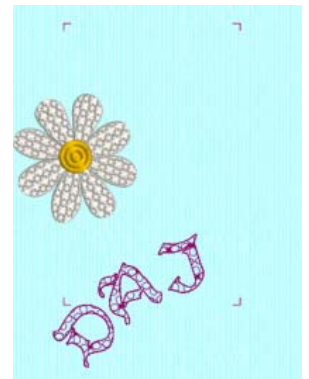
14. Click **Save All Embroidery Sections** 🖫.

15. In the **Save In box,** browse to your preferred folder.

16. In File Name, type **SplitProjectDaisies**. Ensure File Type is **.vp3**, or the correct format for your embroidery machine.

17. Click **Save**. All 12 embroidery designs will be saved in numbered fashion, with 01, 02, 03 through 12, before the name you typed in, as 01SplitProjectDaisies.vp3.

18. Click **Next**.

19. Click **Print** to create an Overview of your embroideries.

20. Click **Print in Complete 2D Templates** to create guides for reassembling the individual split designs into a complete embroidery.

21. Click **Page Setup** in Print Worksheets.
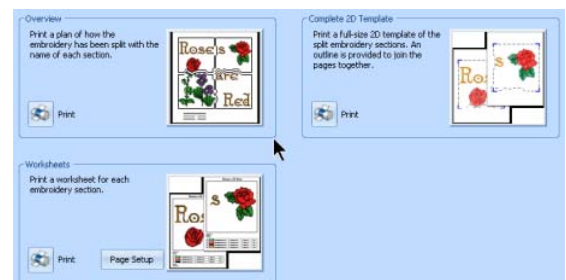
22. Set Design Scale at **100%** for life-size templates.

23. You may check or uncheck Grid at your preference.

24. Place a check by the Print Information you want to appear on your Worksheets.

25. Choose **Millimeters or Inches** as your preferred Units of Measurement.

26. Click **OK** to Page Setup.

27. Click **Finish**.
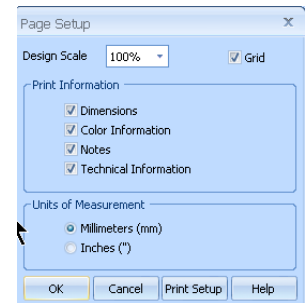
Cut Apart an Embroidery in 5D™ Design Aligner

1. Ensure the complete embroidery is still visible on the Clipboard Viewer. If not, ensure the design is still surrounded by a select box, and then click **Copy** 📋.

2. Click 5**D**™ **Design Aligner** 🌐 in the QuickLink Toolbar.

3. In Load Design Wizard – Hoop Options, click **Change Hoop** in Hoop Size. Select **PFAFF**® *creative sensation*™ in Hoop Group. Select **260mm x 200mm – *creative*™ Elite Hoop** in Hoop Size, with Orientation at **Vertical**. Click **OK** to Hoop Selection.

4. Set Overlap to **100mm**.

5. Set Alignment Stitch Style at **Corner**.

6. Set Compensation at **None**.

7. Set Connection at **Jump Stitch**.

8. Click **Next**.

9. In Load Design Wizard – Choose Embroidery, the design is already on the Clipboard Viewer. Simply click **Paste** 📋. The design will appear in the Preview window.

10. Click **Finish**.

11. The embroidery will appear centered in the Work Area, and an overlay will indicate how it may be split into sections. Click the **+ in the Zoom toolba**r several times to zoom in closely enough to see the arrangement of the overlay.

12. Each section in the overlay has Overlap areas, indicated by lighter areas under the splitting lines.
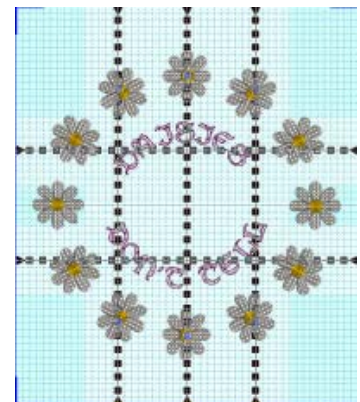
13. Each splitting line has Points that can be selected and moved to adjust where the embroidery stitches will split.

Some embroideries with stitch areas (especially fills) larger than the Overlap areas may lie completely across

the Overlap and extend into two adjacent design sections. You may be able to move the embroidery slightly to position these fills so they are in only one section, so you can adjust the split line around rather than through them.
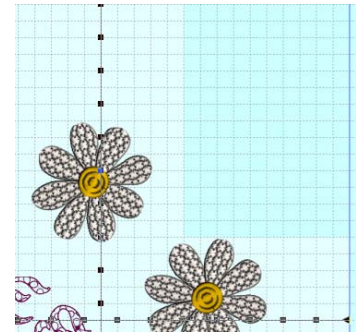
To move the entire embroidery, click Select All. The entire design will be selected with a box. You can click and drag to move the selected embroidery into a more optimal position, or you can nudge the select box with the keyboard arrows.

When you finish repositioning, right click outside the select box to deselect the embroidery.

14. Drag the Zoom slider to about **20-30%** zoom. Drag the scroll bars at the side and at the bottom until you are viewing the upper right section in the Work Area.

The top daisy will be split through its center unless we adjust the split line. The daisy lies partially over the lighter Overlap area, but we can move the points to adjust the Split line so it will include the entire daisy into the section to the left of the split line.

15. Place the cursor over a point until the cursor has four arrows. Click and drag the point to the right to move the split line away from the daisy.

You cannot move a point outside of the Overlap area, so the point may only be dragged as far as the edges of the Overlap!
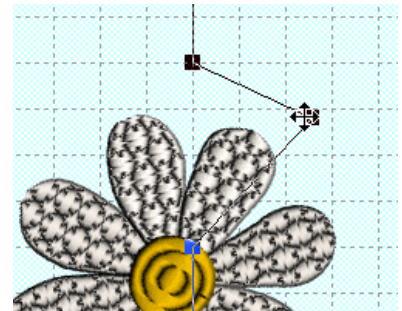

16. Click and drag additional points to shape the line so it runs to the right and outside the flower stitches.

17. Click and drag the sliders at right and bottom to move to a new segment, and adjust the points so no flowers or letters will split through their stitches.

18. Two useful tools will allow you to **Insert Points** or **Delete Points** on the Split lines.

In complicated embroideries, you are able to zoom very closely, then click Add Point . The cursor will change show a + attached. You may click as many additional points as needed. When done, simply right click to release the Add Point tool.

In smaller embroideries, you may find there are too many points. Click Delete Point . The cursor will show a ' - ' attached, and you can click on points to delete them
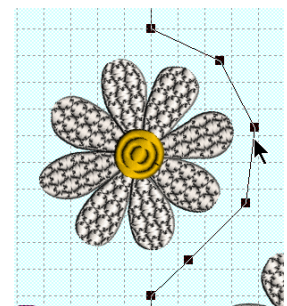
as needed. Right click to release the tool when done.

19. When you have adjusted all Split lines, **Zoom to Fit** ⊕ to ensure all lines are adjusted. It is easy to skip over a Splitting line!

20. Click **Split Design** 🌀. An animation will appear, followed by the Design Split Preview. The Preview window indicates 1 of 12 sections. Click **Next** ▶ or **Previous** ◀ to scroll through each section of the embroidery.

21. Click **Save**.

22. In the Save In box, browse to your preferred folder.

23. In File Name, type **DesignAlignerDaisies**. Ensure File Type is **.vp3**, or the correct format for your embroidery machine.

24. Click **Save**. All 12 embroidery designs will be saved in numbered fashion, with 01, 02, 03 through 12, before the name you typed in, as 01DesignAlignerDaisies.vp3.

25. Click **File/Page Setup**. Ensure there are checks by Complete 2D Template, and 3D Worksheets for each Section. Select the other options as desired. Click **OK**.

26. Click **File/Print** to create the templates and worksheets.
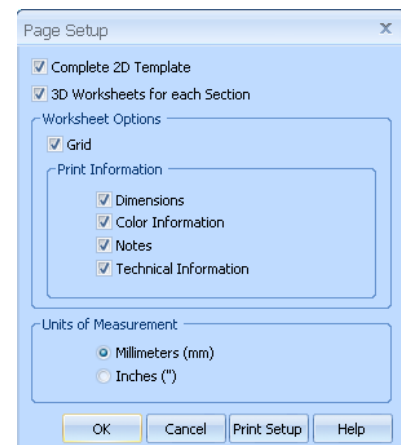
Split Project Wizard is a fast and easy way to create a large embroidery project and split it for multiple hoopings. If you are working with smaller hoop sizes, or complex embroideries with many larger fills, 5D™ Design Aligner offers great precision in how you split your unique embroidery creations!

Now that you have the basics for creating and splitting large embroidery files into manageable sizes for your personal hoops, you are on your way to creating many larger embroidery projects to embellish you and your home!