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INTRODUCTION

Technology has opened an amazing world of creativity to both the home and the professional machine embroidery markets today. An embroidery machine combined with quality embroidery software provides the tools for creating custom embroidered projects. Your imagination opens the door to this exciting new art form. Would you like to create a beautiful heirloom embroidered photo, a hand cross-stitch without the handwork, or a thread painting with the ease of drawing with pen and paper? Perhaps you envision a new patchwork stitch or an embroidered quilt. The 4D Embroidery Suite software accords these and many more creative possibilities.

As the innovation of embroidery software increases, so do both the complexity and the simplicity. This may seem like a paradox, but the beauty of the 4D Embroidery Suite software is that in spite of its robust design, this generation of software is even easier to use than its predecessor, 3D Embroidery Suite.

The purpose of this book, then, is to provide simple, fun exercises that demonstrate foundational 4D Suite techniques—to give you the tools to fulfill your passion to fashion artful embroidery.

This is the second book in the *Software Solutions: 4D Embroidery* series. It introduces the following 4D Embroidery software modules: 4D Design Creator, 4D Cross Stitcher, 4D Stitch Editor, 4D Sketch, 4D Picture Stitch, 4D Fabric Decorator, 4D Stitch Artist, 4D Design Aligner, and 4D Font Digitizing.

The first book in this series, *Software Solutions: 4D Embroidery Extra*, covered the modules included in 4D Extra: 4D Configure, 4D File Assistant, 4D Organizer, 4D Embroidery Extra (also referred to as 4D Extra), and 4D Vision. Since these modules are also part of the 4D Suite software package, it is helpful, though not essential, to complete the exercises in the first book before proceeding to this book.



4D DESIGN ALIGNER

INTRODUCTION

With 4D Design Aligner, you can divide a large design into sections to stitch it in any hoop size.

EXERCISE 1: SPLIT A LARGE FLOWER

OPEN DESIGN


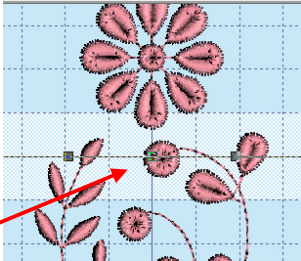
1. Launch 4D Design Aligner  from 4D Extra.
2. Change Hoop to Hoop Group = Pfaff 2170/2144/2140, Hoop Size = 120mm x 115mm – creative Rectangular Hoop, Orientation = Vertical. OK.
3. Overlap = 20mm, Alignment Stitch Style = Corner, Compensation = None. Next.
4. View Embroidery  and open the file C:\4DEmbroidery\Samples\4DEmb\Stitch2\Flowers\FlowersLarge.vp3. Finish.

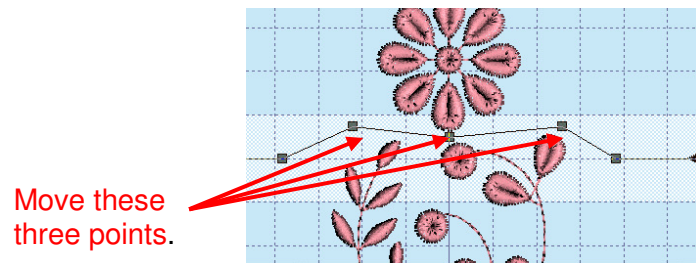




PREPARE TO SPLIT DESIGN

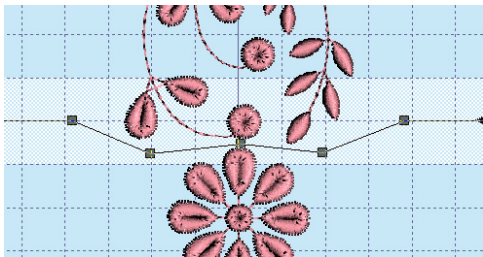
This design will require three hoop changes to fit into the Rectangular Hoop. 4D Design Aligner indicates the overlap area between the three hoopings (shown in white) and suggests where the design should be split (along the black lines with square dots). The black squares along the split lines are moveable split points.

We specified a 20mm overlap between each hoop split, so this will be the maximum movement of the split line.




1. Zoom in  to the flower area in the top split.
2. Notice that this design has a natural split between the round flower and the middle region. This will be an ideal location to divide the design. 
3. Move the three middle squares so that they are between the top flower and the center region.



4. Zoom to Fit . Then Zoom In  to view the lower split region. Move three points to split this area similarly.



SPLIT DESIGN INTO SECTIONS

1. Split the Design .
2. 4D Design Creator indicates that the design is being split and opens preview windows showing the three sections. Select  to cycle through each of the three parts of the design.
3. Save  the file as Split Large Flower.vp3.

PREVIEW AND PRINT SECTIONS

1. Choose File→Print Preview to see the print worksheets created by 4D Design Aligner.
2. Select Next Page or Previous Page to browse through the informational printouts that are available. Notice that each portion of the design has a unique name: 01Split Large Flower.vp3, 02 Split Large Flower.vp3, and 03Split Large Flower.vp3.
3. If desired, Print the worksheets.

