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How to digitise using images tutorial using the Data 7 EDS

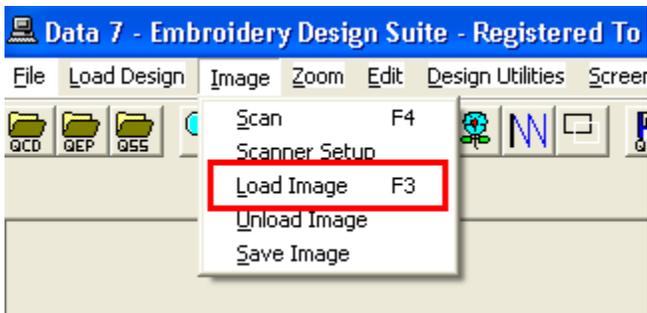
Step 1:

To start, open the Data 7 EDS system.

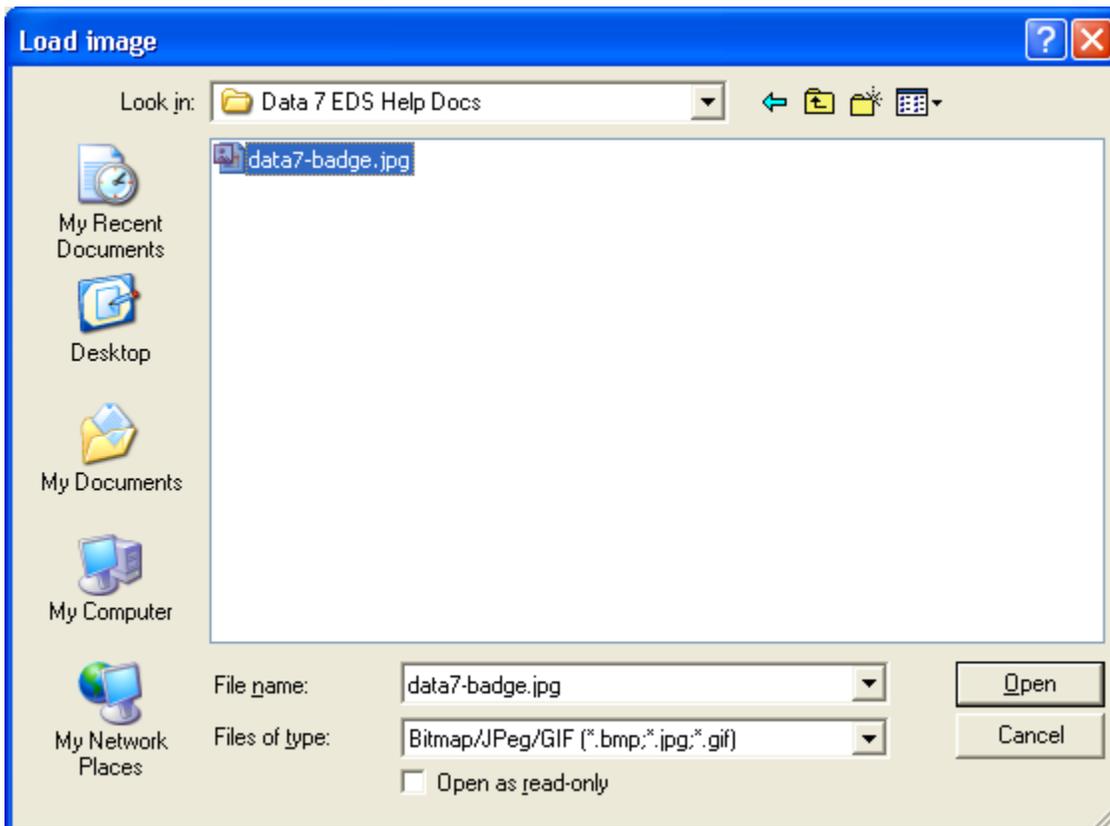
Step 2:

Firstly we need to load an image on to the screen to digitise with. There are two ways to do this which is direct from your scanner or via the load image option. For this document, we'll assume you already have an image saved ready to use.

Load you image on to the digitising area by using the "load image" option under the Image tool bar option as shown below.



Choose your required image as per below:-

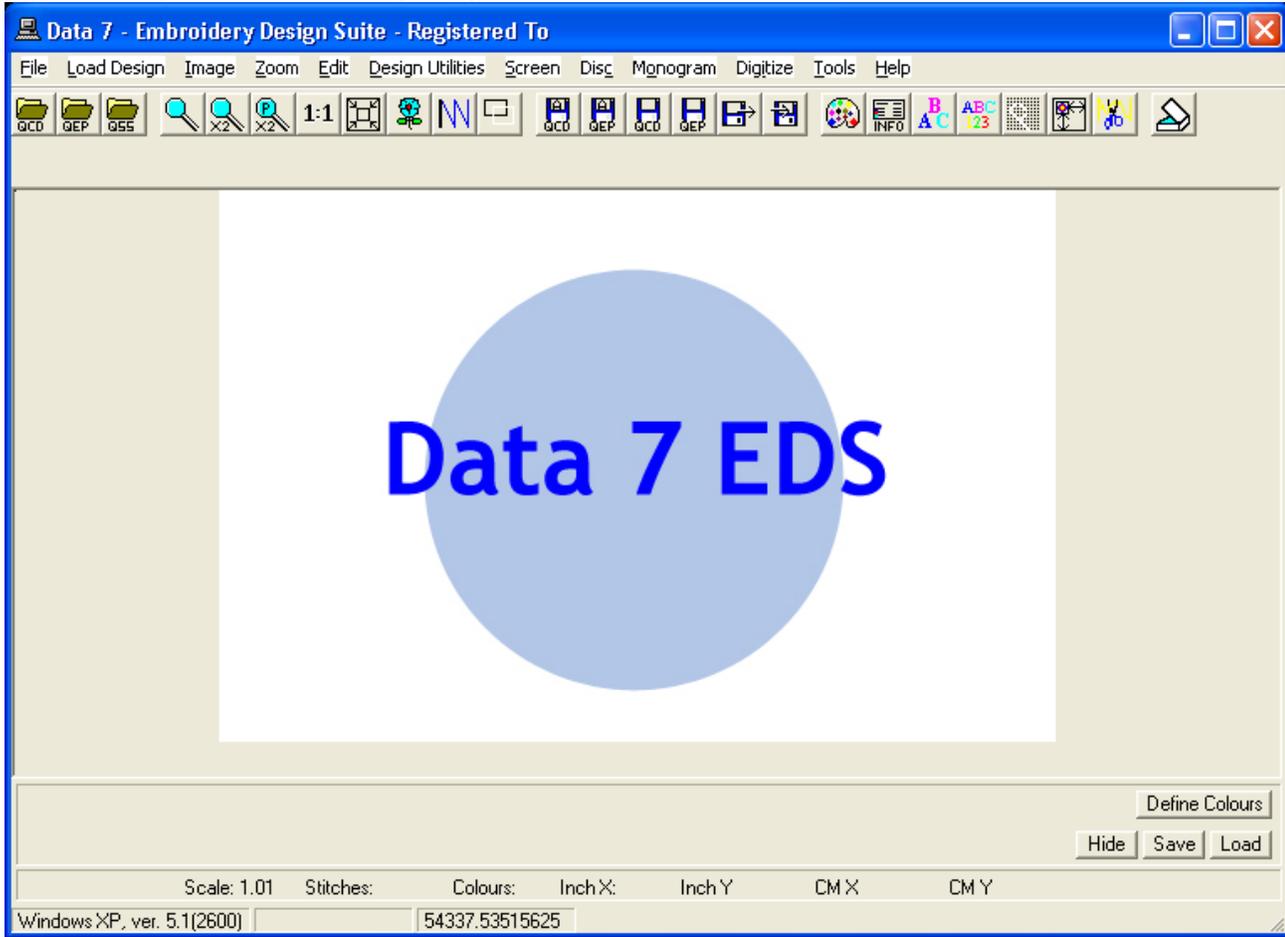


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Once loaded you'll see it in the digitising window.



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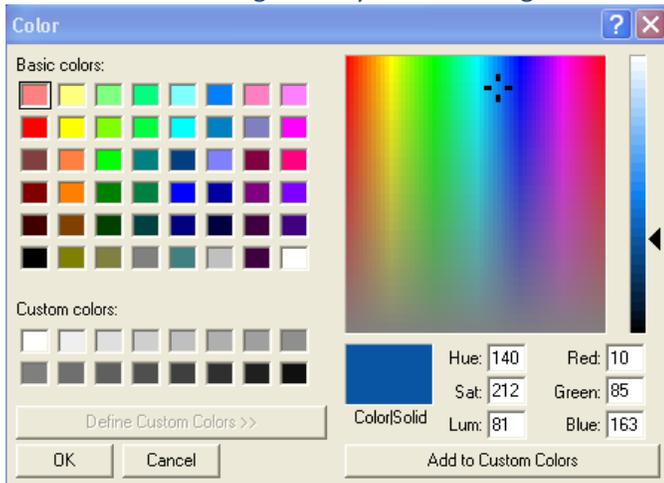
Step 3:

Now we can start to digitise with the image. So , start a new digitising session by selecting “Start Session” from the “Digitize” menu as show below.



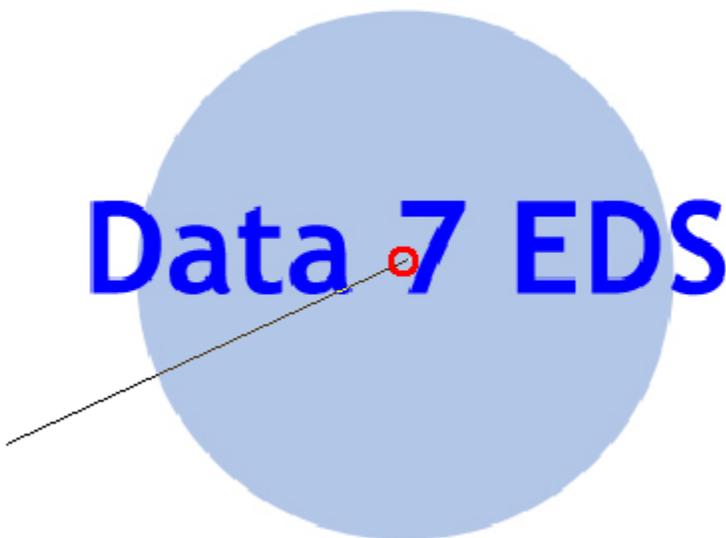
Step4:

Next choose a starting colour you wish to digitize with using the “Color” dialog box as shown below.



Step 5:

Mark the Origin or centre of your design using the left mouse button. This can be anywhere in the digitising window. For this example we'll use the centre of the design as shown below by the red circle.



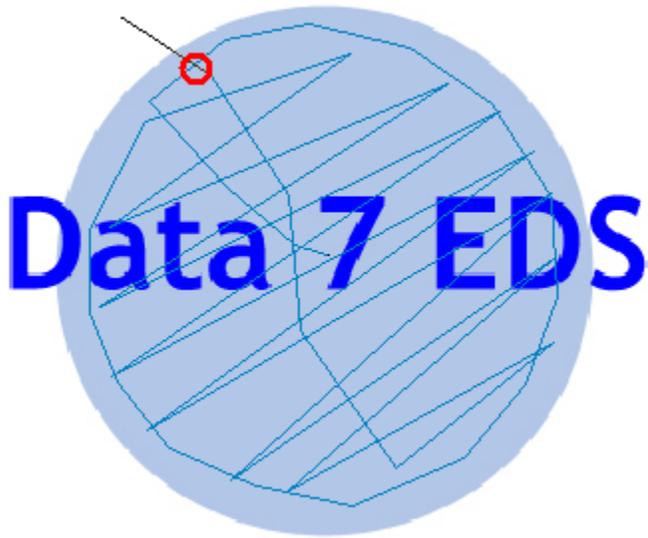
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Step 6:

Next we're going to lay down some running stitches which are going to form the base for our main badge fill stitch. So create running stitches around your fill area using the left mouse button which creates running stitches to this point as shown below. We end at the top left hand corner where we're going to start our fill stitch from to create stitches at a 45 degree angle. Please see our "[How to digitise a fill or Ceding Stitch Block](#)" tutorial for more information about creating fill stitches.



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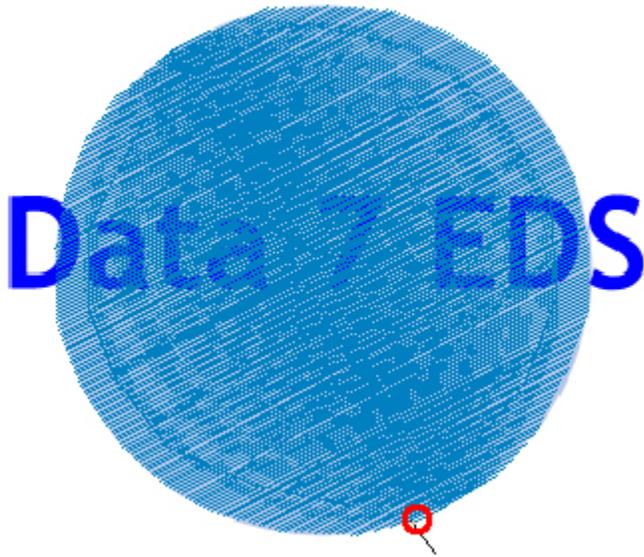
Step 7:

Start your fill by selecting one of the fill options below and proceed to digitise your fill stitch area:-



Please see our [“How to digitise a fill or Ceding Stitch Block”](#) tutorial for more information about creating fill stitches. This has full details on how to achieve the below

Once you’ve completed your fill or ceding stitch your design should look like this so far...



You’ll notice that the circle is now covered with our fill or ceding stitches.

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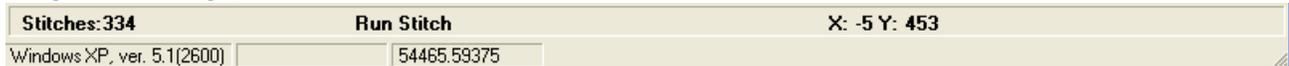
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Step 8:

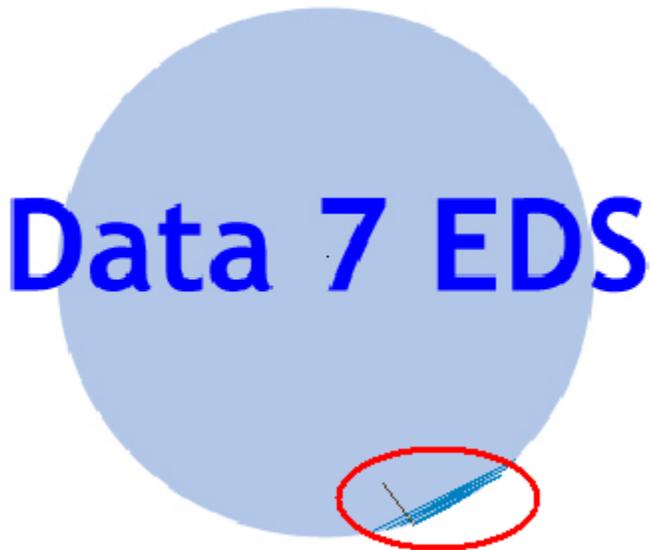
Now we need to digitise our other objects in this case lettering over the top of our circle badge. You'll notice that the lettering is obscured by our badge stitches so to make it easier to see we can use our

"Display Stitch From" tool  which allows us to only display stitches from a chosen stitch number showing our image and making it easy to continue to digitise.

We can see from the status bar that currently our design has 334 stitches (stitch will vary based on your design and settings)



So we can choose to only show stitches from stitch number 330 which only shows the last few stitches of our current design, shown below.



Now it's much easier to continue digitising our design.

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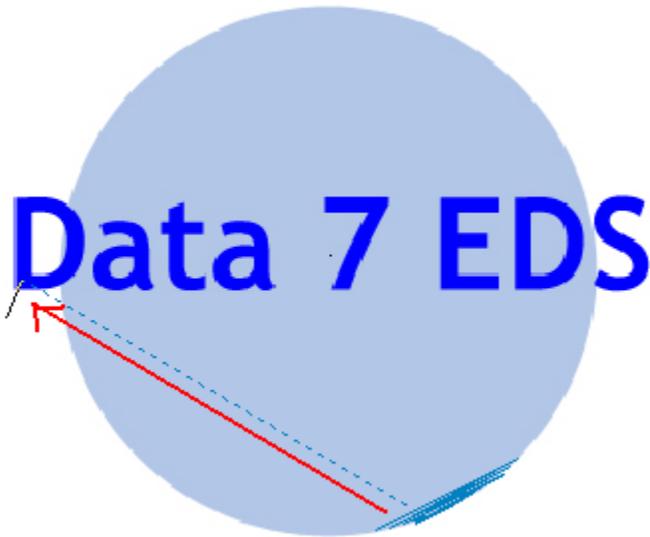
Step 9:

Now we must jump to the start point of our lettering remembering to create a tie off stitch before and after we jump which ensures that if the embroidery machine trims that the stitches won't come undone. A tie off stitch is simple a small triangle or star shape of a few or 4 stitches.

Once you've created your tie off stitch, simply choose the "Needle up" function , place a single stitch at the destination which will be our first letter "D" in Data 7 and then choose the "Needle down" function



followed again by a tie off stitch. The jump stitch will show as a dashed line as shown below:-



Now we can start to digitise our lettering using column and curved column stitches. For detailed information about columns stitches please see ["How to digitise straight and curved column or satin stitch"](#)

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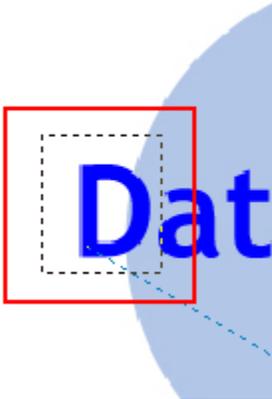
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Step 10

OK, now we can start to digitise our column stitches over our lettering. For this it'll be better to zoom in to our image to start digitising. To do this we need to use the "Zoom" and "Pan" functions   . For

this I'm going to use the free "Zoom" function to start. 

Click once at the top left of the area you want to zoom in to and then again at the bottom right as show below inside the red box:

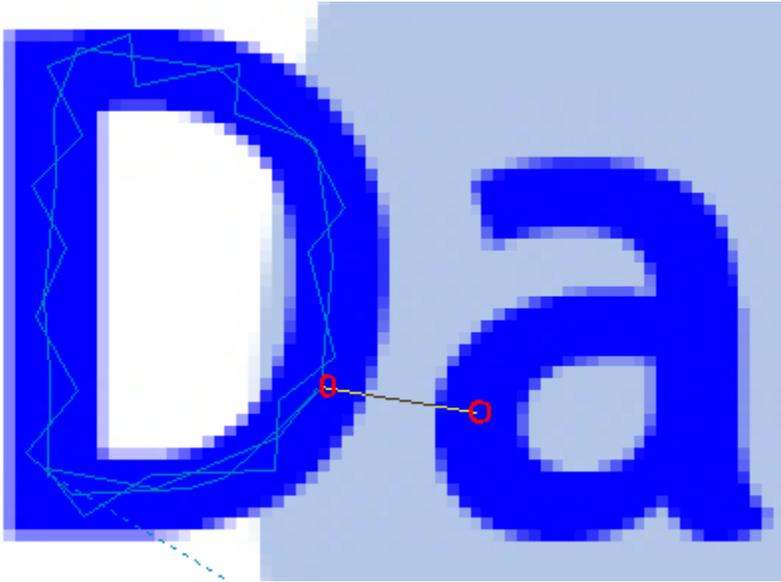


This will result in zooming in to the design making it much easier to digitise as show below:-



Step 11:

Next we'll need to lay down some running stitches around the inside of our letter which we'll do for every letter in turn. Please see "[How to digitise a straight and curved running stitches](#)" for more information.



Above you can see the running stitches I've laid down being sure to end as close as possible to the next letter as possible. This is where our columns will start and end giving the shortest distance to jump between each letter. This will be repeated for each letter.

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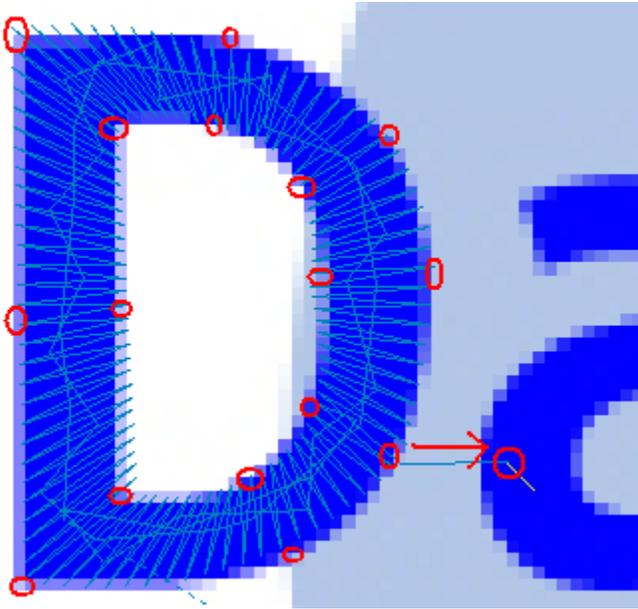
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Step 12:

Now we can digitise our column stitches as shown below. Please see [“How to digitise straight and curved column or satin stitch”](#) for more information.

We start our column stitches by switching to column stitch mode by pressing the enter key and using left and right mouse button to place the condensed points (shown by red circles) to form our columns as show below but please remember to view the [“How to digitise straight and curved column or satin stitch”](#) tutorial for more information on how this was done:-



You can also see from the above where we jumped from the “D” to the “a”. After this we simply repeat the process until we have finished as show below. When done, we again tie off on the “S” and jump back to the centre of the design.

At this point we can use the “Display Stitch From” tool  again to show the entire design by entering 0 which will show all stitches in the completed design.

This completes our digitised design from any image. Of course some images and designs are more complex but the basics are the same in most cases.

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Step 13: End Session

Once you have finished your digitising simply click the “End Digitising Session” icon highlighted below



This will then enable you to save the design as a Data 7 condensed design (shown below) which will help you resize the design more easily and will compensate for stitches. More about this in later tutorials.

