

Sew at Home

OnDemand Classes

Education by Baby Lock & Designer's Gallery

MasterWorks III – Auto Digitizing Wizard

You are in control when you use the Auto Digitizing Wizard. It can be as easy as just clicking Next and Finish. But there are also tools on each page of the wizard that let you edit the image so the wizard produces the embroidery pattern you envisioned. Learn to size, and crop your image. And see how to link a graphics editing program to your MasterWorks wizard and use that program to edit your artwork.

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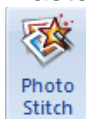
Scan into Wizard

1. To view the wizards in your MasterWorks, left click the **Tools**  tab



2. The four MasterWorks III wizards are displayed on the ribbon at the top of the page.
 - If you rest the cursor on any of the icons for a moment, a tool tip with the name of the icon pops up.
3. The four Wizards built into MasterWorks and MasterWorks III are:

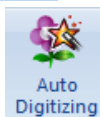
- Photo-stitch Wizard



- A Cross-stitch Wizard



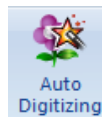
- Auto-Digitizing Wizard



- And Auto-artwork Wizard

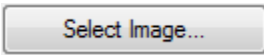


4. The quickest and easiest way to turn artwork into a stitch file is through the MasterWorks Auto Digitizing Wizard.
 - The Wizard analyzes artwork and automatically turns the artwork into a stitch file.
 - This class will cover how the process works and what you can do to take control of that process
 - We will also look at how you can edit the stitching in the resulting embroidery patterns.


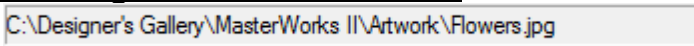


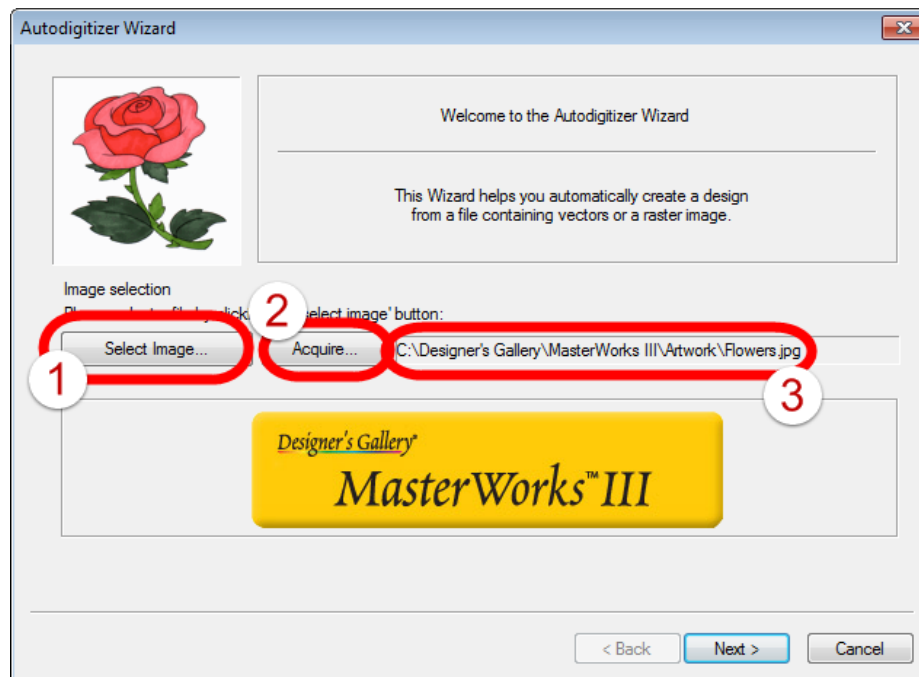
5. Left click the **Auto Digitizing Wizard**

The first thing you will need to do is select a computer image to be used to create your embroidery

1. There are three ways to get a picture into the wizard so it can be turned into an embroidery design.
 - Select Image  opens a browser box so a saved image can be selected.

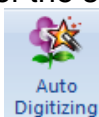
MasterWorks III – Auto Digitizing Wizard

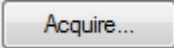
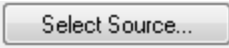
- Acquire  is used to scan an image directly into the wizard
- The last image used in the wizard will be shown to the right of the Acquire button 



Prepare to scan:

1. Print a copy of “dots artwork for scanner” with a color printer
2. Place the printed dots on the bed of the scanner face down.




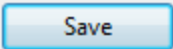
3. Open the **Auto Digitizing Wizard** on the Tools tab
4. Left click **Acquire**  and Twain box will open
 - A Twain device is a device that can be plugged into the USB port of the computer and used to import pictures into the computer
 - Common Twain devices would be scanners, and digital cameras
5. Left click **Select Source**  and a list of the Twain devices plugged into your computer will open.
 - Note that while your camera will appear on the source list if it is plugged into the computer and turned on
 - MasterWorks III is not able to import pictures directly from the camera.
(1) I tried it and it hung up and created a CTRL/ALT/DELETE moment.

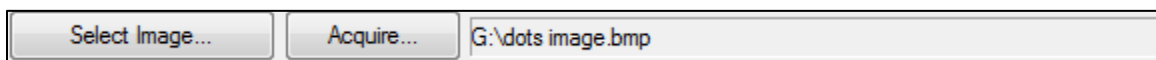
MasterWorks III – Auto Digitizing Wizard

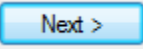
- If you want to work with photos, import them into the computer and save them
- Then you will be able to work with them in MasterWorks.

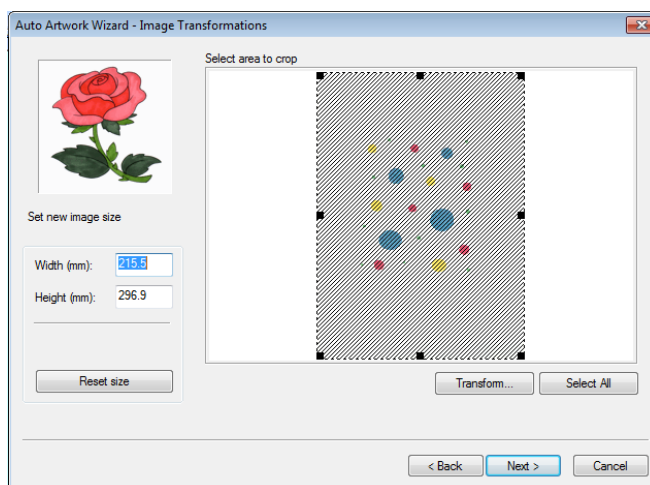
6. Select the appropriate scanner and left click **Select** 

To scan the image:

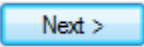

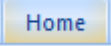

1. Left click **Acquire Image**  and the software for your scanner will open
 - The software for your scanner may be different from mine, and this class will not address how to use different scanners.
 - In my scanner program, left clicking on the **Preview button** causes the scanner to show me a picture of what will be scanned.
 - I then click on the **Finish button** to actually complete the scan
2. When the scan is complete, you will see a browser box open so you can save the scan.
3. Save the scanned image
 - Navigate to the folder where your scan will be saved
 - The location where the file will be saved is shown in the window at the top of the browser box
 - In the File Name box, type the name of your picture (dots image)
4. Left click **Save**  and the scanner program will close.
 - You will be back at the opening screen of the Auto Digitizer and your scanned image will be shown as the selected file at the right of Acquire.



5. Left click **Next**  and the Auto Digitizer – Image Transformations screen opens
 - A preview of the design is shown on the right
 - The area covered with diagonal grey lines is the area that will be included in the embroidery design the wizard creates.
6. If needed, left click and drag to **move the cropping handles** at the edge of the grey area to eliminate as much of the white background as possible without losing any of the dots.



Now that you have eliminated the empty white space around the dots, you can set the size for the embroidery design

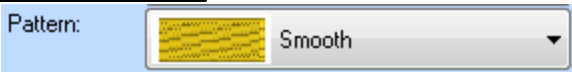
1. The size is always given in millimeters in the wizards
2. It is easy to do the math to convert from millimeters to inches
 - It is the same math you do in your head when you make change for a dollar.
 - There are 25.4 millimeters in an inch, so for every 25¢ you have an inch.
3. For an embroidery design that is five inches wide change the width to 125.
 - The height is automatically adjusted to keep the image proportional.
4. Left click **Next**  three times.
5. Left click **Finish** 
6. Left click the **Home tab** 
7. Left click to turn on **Draw 3D**  and see the pattern as it will stitch.

Editing the Design

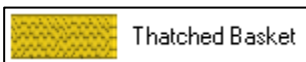
Even though the embroidery design has been created with the wizard, you will be able to edit the dots.

1. All of the dots are filled with the same standard fill pattern.
 - You may want to add some interest and texture to the design by changing some of the fill effects.
2. Left click to select the color **yellow** in the Sequence View



3. Left click to open the **Pattern window**  in the Properties box

4. Select the fill called **Thatched Basket**



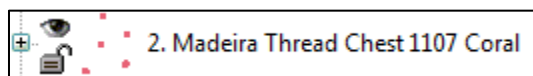
5. Left click **Apply** 

- And the texture of the stitching in the yellow dots is changed



The pink dots were changed to a Radial Column .

1. Left click to select the color **pink** in the Sequence View



- Left click **Apply Stitches**  to open the menu

- Select Radial



- And the pink dots now look like little puff balls



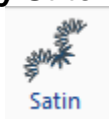
Both the color and stitch effect were changed on the green dots.

- Left click to select the color **green** in the Sequence View



- Left click on an **Avocado Green color chip**  in the Color Palette

- Left click **Apply Stitches**  to open the menu

- Select a **Satin**  outline stitch

- In the Properties box change the stitch width to **2.0**



- Left click **Apply**



- And the green dots are changed to green satin stitched rings



The large blue dots were changed to a Fancy Fill

- Select the **blue** Color in the Sequence View



- Left click **Apply Stitches**  to open the menu

- Left click **Fancy Fill**



- Open the **Pattern window**



and select a fill pattern.


- The sample was changed to **Carved 56**







- The fill used on the sample is not available in MasterWorks Lite, but you could use Coil 1 or any other Fancy fill that you like.


A straight stitch border was added to the some of the dots to make them pop.

1. No outline was added to the olive green rings or to the pink puff balls
2. Left click to select the **yellow dots** in the Sequence View

3. Hold down the **Control key**  on your keyboard and left click to select the **blue dots**

4. Right click and select **Copy**  **Copy**  from the right click menu

5. Right click and select Paste  **Paste**  from the right click menu

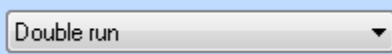
6. Change the color to Black by left clicking on a **black color chip**  in the Color Palette

7. Left click **Apply Stitches**  to open the menu

8. Left click Run 

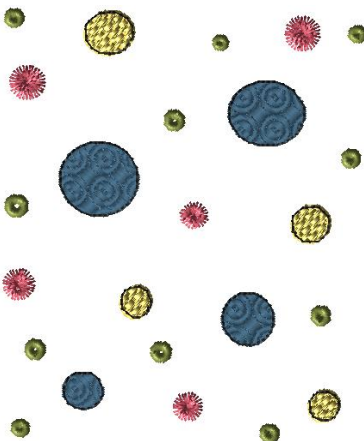
9. Adjust the stitch settings in the Properties box:

- Change the stitch length to 2.0 
- Change the stitch to a **Double Run** in the Type Window





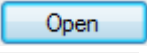
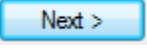

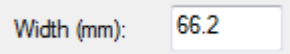
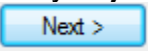
Type: 

10. Left click **Apply** 

11. Save the pattern and stitch



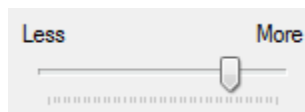
Select Image & Tolerance Value

1. Open a **New Page**  on the Quick Access tool bar
2. Left click the **Tools** tab  on the ribbon at the top of the page
3. Select the **Auto-Digitizing Wizard** 
4. Left click **Select Image** , and the Open Image box opens.
5. Select Flowers.jpg from the Artwork folder.
 - C:\Designer's Gallery\MasterWorksIII\Artwork\Flowers.jpg
6. Left click **Open** 
7. Left click **Next** 
8. Change the height to **100mm** 
 - Note that when the height is changed, the width is automatically adjusted 
9. Left click **Next**  twice.

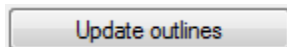


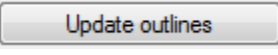
The Auto Digitizer - Vectorize screen opens

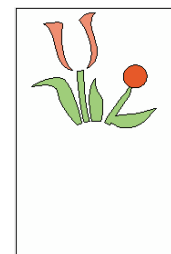
1. The wizard has traced the elements of the picture.
2. Some detail is missing in the tulip
3. The Tolerance value slide can be used to control how the wizard interprets and traces the image.
 - The Tolerance slide controls how the colors in the image are traced
 - Moving the slide to the right toward the end labeled More will cause the wizard to combine the colors more as it traces similar colors in the artwork



4. To try this, left click and drag to move the **Tolerance Value slide** toward More
 - In order to see the effect of this, you must left click Update Outlines



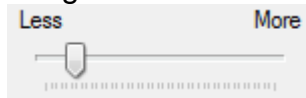
5. Left click **Update outlines** 
 - Once you left click Update Outlines, the image is re-traced using the new settings and the results are displayed in the preview on the right
6. And on the flowers image, things look worse instead of better!



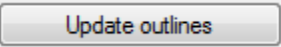
MasterWorks III – Auto Digitizing Wizard

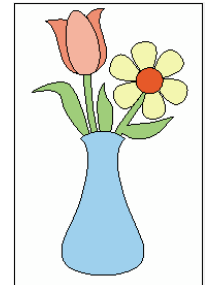
Since there are only two directions to move the slide, if the image looks worse, simply move the slide in the other direction.

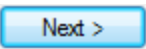

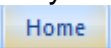
1. Left click and drag to move the Tolerance Value slide to the left toward the end




labeled Less

2. Left click **Update outlines** 
3. And the colors in the image will be combined less.
 - This is what needs to happen with the two shades of peach in the tulip
 - Now the two shades of peach have been traced as separate areas



4. Left click **Next** 
5. Left click **Finish** 
6. Left click the **Home tab** 



7. Left click to turn on **Draw 3D**  and see the pattern as it will stitch.




Edit the Flowers



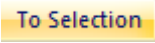


Auto digitizing wizards in some programs create a “take it or leave it” embroidery pattern. The auto digitizing wizard in MasterWorks creates an embroidery design that can be edited.

Change colors

1. Left click to select the **leaves**   **3. Madeira Thread Chest 1248 Lime Green** in the Sequence View

2. Change the leaves to a different shade of green by left clicking on the desired **color chip**  in the Color Palette

Change stitch direction

1. Left click to select the **daisy petals**  **5. Madeira Thread Chest 1067 Cream** in the Sequence View
2. Left click on the small black arrow at the bottom of the **Zoom tool**  to open the zoom menu
3. Left click **To Selection**  in the menu to zoom in on the daisy petals
4. Left click in the **background of the page** so nothing is selected
5. Left click to select a daisy petal with the stitches running the length of the petal instead of across the width of the petal
6. Left click the **Reform tool** 
7. The two black dots with a string between them represent the stitch direction.
8. Left click and drag **the dots** so the stitches will run across the width of the petal
9. Left click **Apply**  in the Properties box
10. Repeat to change the stitch direction on each petal that has stitches that do not run across the petal

Change the stitch effect of a selected area

1. Left click **Zoom to Fit** 
2. Left click **Select** 
3. Left click to select the **blue vase**
 - You have a choice of either left clicking on the blue vase on the design page or left clicking to select the blue vase in the Sequence View
4. Left click **Apply Stitches** 
5. Left click **Fancy Fill**  and the stitches in the blue vase are changed

6. If desired, open the **Pattern window**



in the

Properties box and select a different fancy fill.

- The fancy fill called



was used on the

sample.

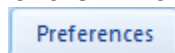


Re-Use Last Edited Image

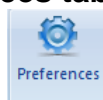
We clicked through the wizard pretty quickly, and it created an embroidery design for us with very little effort. But one of the best things about MasterWorks is that although it is easy to use, it also has sophisticated tools that give us a great deal of control of the process if we chose to use them.

So let's go back and look at each screen of the Wizard in detail.

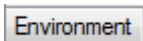
1. Left click the **Preferences tab**



2. Left click **Preferences**

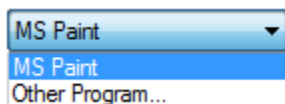


3. Select the **Environment tab**



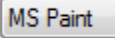
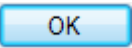
4. Open the **Image Editing Program window**

Image editing program:






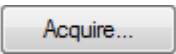
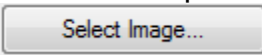
- This is where you can select the graphics editing program that you would like to link to your copy of MasterWorks III
- The graphics editing programs installed in your computer will be shown in the list
 - MS Paint is used in this class, but you can use any image editing program that you find comfortable
- If the program you want to use is not in the list:

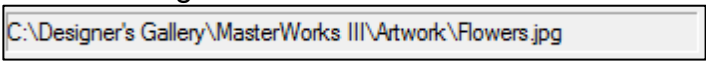
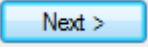
MasterWorks III – Auto Digitizing Wizard

- You can select **Other Program** and a Choose Image Editor box opens.
 - Open the Look in window and you can access the files in your computer to select your preferred program.
2. For this class select **MS Paint** 
 3. Left click **OK** 

To begin creating a new design

1. Left click **New Page**  on the Quick Access tool bar.
2. Left click the **Tools** tab 
3. Select the **Auto-Digitizing Wizard**  to open the Wizard.

We used Acquire  to scan the dots, and we clicked on Select Image  to find the Flowers file, but remember there three choices here.

1. The last image used in the wizard is shown in the window on the right

2. Left click **Next**  without selecting a new artwork file and the flowers image will be used
 - The Auto Digitizer - Image Transformations screen opens
 - The flowers that we selected the last time we opened the wizard appear.

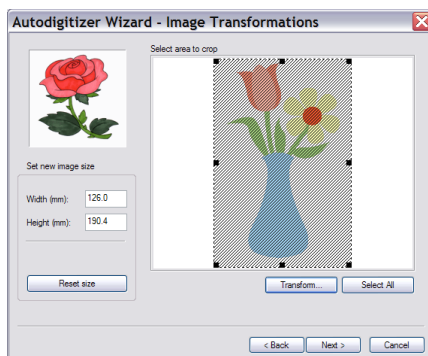
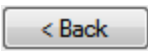
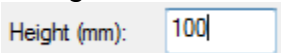
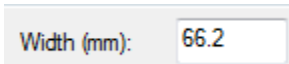
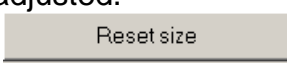


Image Transformations

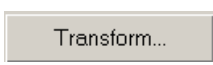
There are several changes that can be applied to the image in the Image Transformations screen

MasterWorks III – Auto Digitizing Wizard

1. At the bottom of each box in the wizard is a Back  button that will return you to the previous screen in the wizard
 - So you could change your mind and back up to the previous screen and select a different image
2. You can re-size the image.
 - The image will be traced by the wizard and the final embroidery will be the size of the image that was traced
3. Left click and drag across the **height** to select it.

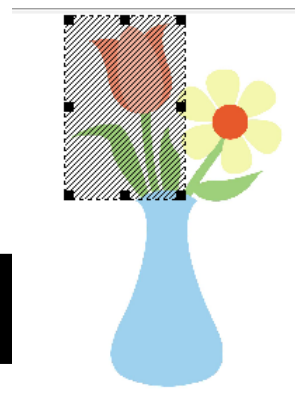
4. Type in **100** 
 - The width  will automatically change to stay in proportion to the new height.
 - If you choose to change the width of the design, then the height will be automatically adjusted.
5. Left click **Reset size**  and the size of the image is returned to the original setting.

Width (mm):	126.0
Height (mm):	190.4

6. Left click **Transform**  to open a menu of options that allow you to flip and rotate your artwork.

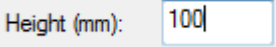
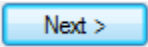
Flip horizontally
Flip vertically
Rotate 90 Clockwise
Rotate 90 Counter Clockwise
Rotate 180

7. The image can also be cropped.
 - The area of the image with grey lines will be processed by the Wizard.
 - Change the grey area by clicking and dragging the black handles on the outline of the grey area.
 - Moving the corner handles will change both the width and the height of the selected area
 - Moving the handles on the sides will change only the width of the selected area
 - Moving the handles on the top or bottom will change only the height of the selected area
7. Change the selected area so only the tulip is inside the grey area



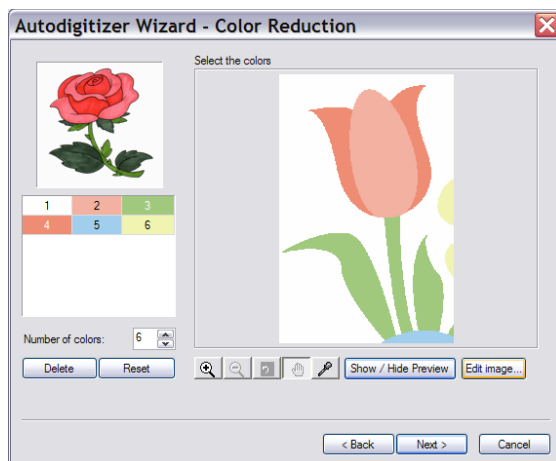
- Left click on **Select All**  and the grey cropping area will return to the original setting with the whole image inside the grey area.

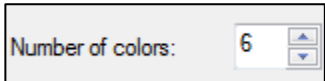
Now that you have experimented with the various settings

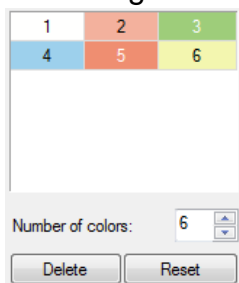
- Change the height to **100** 
- Move the bottom and the right side of the selection area so the tulip, stem and leaf are selected
- Left click **Next** 

Color Reduction

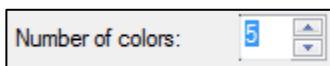
The Autodigitizer Wizard - Color Reduction screen opens with only the cropped tulip.

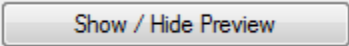


- This screen allows you to control the colors that will be used in the embroidery design.
 - The colors the wizard found in the image are shown on the left.
 - Below the window with the color chips, the number of colors  is shown.
 - The arrows next to the number of colors can be used to increase or decrease the number of colors in the design.



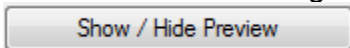
- Left click on **the arrow that points down** to reduce the number of colors to 5



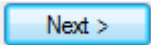
- Left click **Show/Hide Preview**  below the image in the right side of the box to see the change.

- The last color in the design has been combined with the color most like it
- So the edge of the pale yellow daisy petal has been combined with the white background color

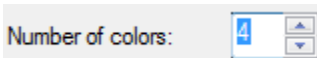
- To make further changes, you will need to left click the **Show/Hide Preview**



button again.

- While in preview the only functions on the screen that can be used are the zoom tools.
- When the preview is turned off the deleted color reappears because the change will not actually happen until we click on Next  to go to the next screen of the Wizard.

- Left click the **arrow that points down** to reduce the number of colors to 4



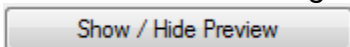
and another color is eliminated from the end of the color list

- Now the second peach color in the tulip has been removed.

- Left click on **Show/Hide Preview** 

- The peach area that was removed has been combined with the color most like it
- So now the tulip is all one shade of peach

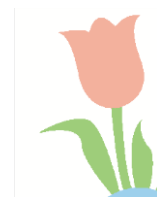
- To make further changes left click **Show/Hide Preview**




again.

- Left click **Reset**  to return to the original colors.

- If you change the number of colors in the window, the last color in the design will be the one that is removed
- And the area filled by the color that was removed will be filled instead with the remaining color that is most similar to the color removed





The Delete  key can be used to remove specific colors from the image.

- Left click on **Color 2**  to select that color



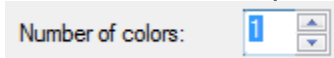




- Left click **Delete** 

- Left click **Show/Hide Preview**  to see the results of the change.



- Color 2 has been combined with the closest color match and the tulip is now one color and it is the remaining darker peach
 - And the yellow daisy petal is still visible
4. Left click **Show/Hide Preview**  to turn off the preview
 5. Left click **Reset**  to return to the original six colors

Use the Zoom tools built into the Wizard to look at the detail in your design or to hand pick the colors to be included in the design. 

1. Left click **Zoom** 
 - Each time you left click on the zoom icon, you will be zoomed in closer to the image
2. Left click the **Pan tool** 
 - If you move your cursor so it is on the tulip, the cursor turns into a hand
 - You can left click and drag to move the image to see any area.
3. Use the **Pan tool** to move the tulip so you can see both shades of pink and the green.
4. Change the number of colors in the design to 1 
 - You will not be able to change the number of colors to 0 because the background color cannot ever be deleted
5. Left click the **Eyedropper** 
 - Left click with the Eyedropper  once on the light pink, once on the dark pink and once on the green.
 - Each of the three colors is added to the color palette.
6. Left click **Zoom to fit**  to return to viewing the whole image.
7. Left click **Show/Hide Preview**  to confirm that the colors you have selected are going to work
 - The pale yellow of the daisy petals has been combined with the white background which is fine.
 - But the blue vase has been combined with the green of the stem and leaves which is not what we wanted.




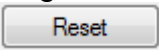


It is important to realize that when colors are deleted in the wizard, they are not removed. Rather, they are combined with the colors that remain in the image.

1. This is a good thing since it means we won't accidentally create an embroidery design with an empty hole where there should have been stitches.

MasterWorks III – Auto Digitizing Wizard

If editing the colors in the wizard doesn't get you the image you had hoped for, the solution is to change the picture. And we can do that by using our link to a graphics editing program.


Edit Image  can be used when the image needs more done to it.

1. Left click **Show Hide Preview**  to turn the preview off so we can continue editing
2. Left click **Reset** 
3. Left click **Edit Image** 
 - We have linked MasterWorks to MS Paint in Program Preferences, so clicking on Edit Image  opens the tulip in Paint.

Use your graphics editing program to eliminate the unwanted colors

1. Select **white** from the color palette




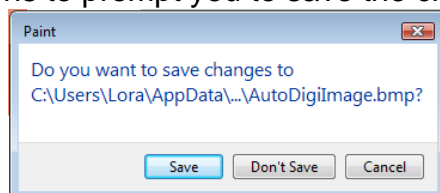
2. Left click the **Fill with Color**  paint bucket
3. Left click on the **pale yellow daisy petal** at the right edge of the image
 - The paint bucket fills the yellow area with white to match the background of the image
4. Left click on the **blue of the vase**
 - The paint bucket fills the blue area with white to match the background of the image

There is a little bit of the green stem from the daisy in the lower right corner of the image

1. Left click on that little bit of green stem
 - And the paint bucket fills it with white to match the background of the image

Now that the unwanted colors have been eliminated we can close Paint.

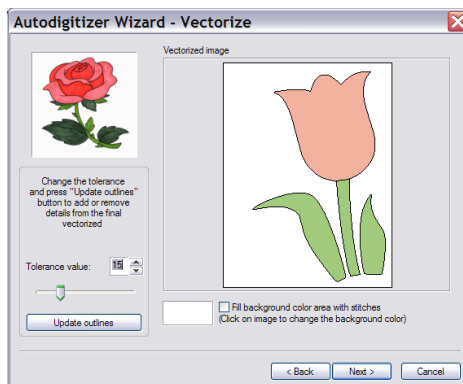
1. Left click on the **Close Program**  in the upper right corner to close the Paint program
 - A box opens to prompt you to save the changes you made.



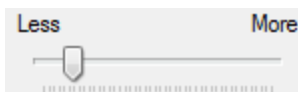
2. Left click **Save** 
 - The newly edited image appears in the Wizard.
3. Left click **Next** 

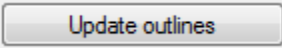
Vectorize

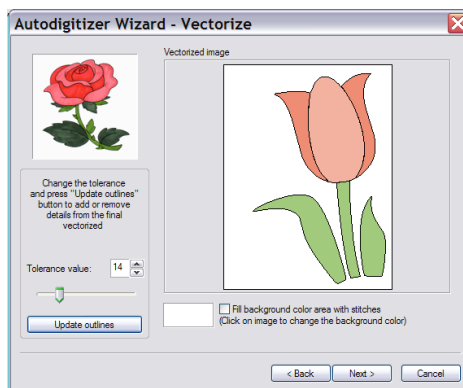
The Autodigitizer Wizard – Vectorize screen opens. This screen shows you the outlines that the Wizard has created from your artwork.



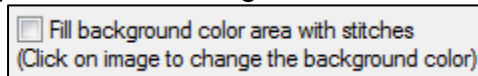
1. The outlines on the tulip have lost the detail of the second color, so an adjustment will be needed.



2. Move the **Tolerance Value** slide toward less
3. Left click **Update Outlines**  and now you should have two colors of peach in the tulip

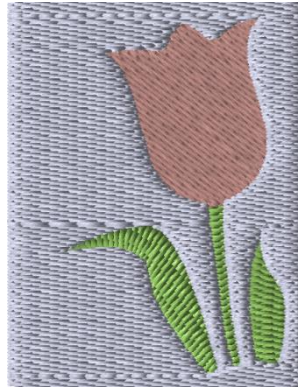
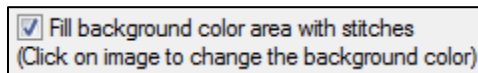


This screen also gives you the option to “Fill background color area with stitches”

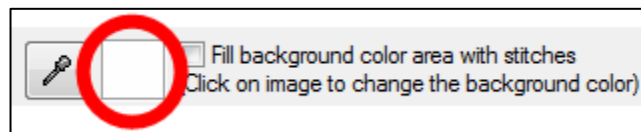


- The default is to not place stitches in the background area.

- If you want the background color to be sewn, then left click to place a check mark in the box by left clicking **Fill background color area with stitches**



- If you choose to fill the background area with stitches, you will have a rectangular embroidery design with the white background stitched with fill stitches as shown in the picture below.



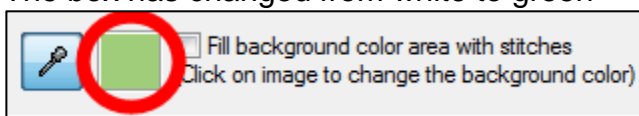
4. The white box to the left of the Fill background color option is showing the color that the Wizard believes is the background color.

- If the Wizard has selected the wrong color as the background it can be changed.

5. Left click the **Eyedropper** 

6. Place your cursor over the green in the tulip picture and left click.

7. The box has changed from white to green



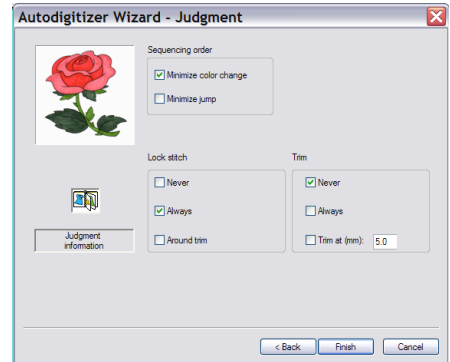
- All of the white area of the picture would be filled with stitches, and the green area would not have any stitches.
8. Place your cursor over the white area of the picture and left click.
 - The background color is set back to white.

9. Left click **Next** 

Judgment

The Autodigitizer Wizard Judgment screen opens.

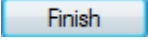
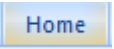

1. The Sequencing Order allows you to select the logic that will be used in to decide the order that the colors in the design will be sewn.
 - If you select Minimize Color Change, the number of spool changes will be minimized, but there may be more jump stitches in the design.
 - If you select Minimize Jump, then jump stitches will be avoided if possible, but there may be more spool changes.
 - Note that you can change the sewing order after you click on Finish if you are not happy with the choices made by the Wizard.

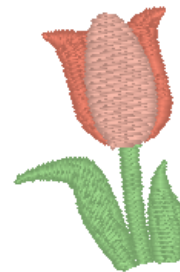


The Lock Stitch and Trim settings are designed for commercial embroidery machines

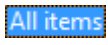
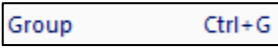
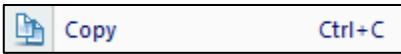

Baby Lock embroidery machines, including all of the Baby Lock multi needle embroidery machines will lock the stitching for each color change no matter what settings are specified here.

And all Baby Lock embroidery machines will automatically trim if the machine is able to trim no matter what settings are specified here.


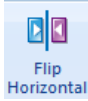
1. Left click **Finish** 
2. Left click the **Home tab** 
3. Left click **Draw 3D** 
 - It is easy to create embroidery designs using the Autodigitizer Wizard!

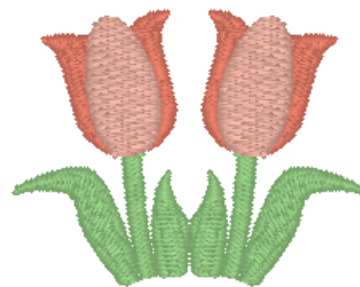


Use the Tulip

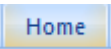


1. Select **All Items**  at the top of the Sequence View
2. Right click and select **Group**  **Ctrl+G** from the right click menu
3. Right click and select **Copy**  **Ctrl+C** from the right click menu
4. Right click and select **Paste**  **Ctrl+V** from the right click menu

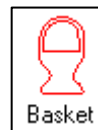
Flip and move the new tulip so you have two side-by-side tulips

1. Left click the **Modify** tab 
2. Left click **Flip Horizontal** 
3. Left click and drag the flipped tulip to the right of the first tulip.




Add a basket to hold your flowers.

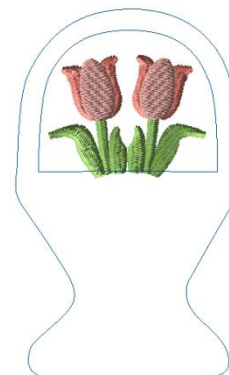
1. Left click the **Home** tab 
2. Left click **Artwork**  to open the menu
3. Select **Custom Shape** 
 - And a box opens displaying the custom shapes that are available



4. Left click to select the custom shape called **Basket**


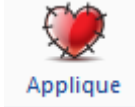
Adjust the basket size and position

1. Left click Zoom to Fit 
2. Select the **basket** in the Sequence View
3. Left click and drag the **corner handle** of the selection box around the basket to make it large enough for the tulips to fit under the handle.
4. Left click and drag the basket so the tulips are centered in the opening.



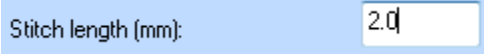
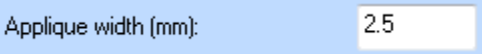





5. Left click **Zoom to Fit** 

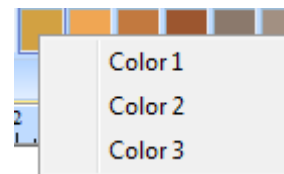
Turn the basket into an appliqué

1. Select the **basket** in the Sequence View
2. Left click **Apply Stitches**  to open the menu
3. Left click to select **Applique** 
 - And now the tulips are in a blue applique basket




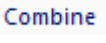
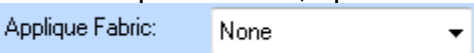
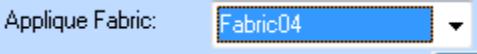
Adjust the settings in the Properties box

1. Change the Stitch length to **2.0** 
2. Change the Appliqué width to **2.5** 
3. Left click **Apply** 
4. Select the **outside outline of the basket**
5. Select a **light gold color**  in the Color Palette
 - A box will open asking which of the three colors that make up the appliqué should be changed.
6. Select **Color 3** 
7. Select the **inside outline of the basket handle**
8. Select the same **light gold color**  in the Color Palette
 - A box will open asking which of the three colors that make up the appliqué should be changed.
 - Select Color 3 




Preview your appliqué with fabric.

Note that this feature is only available in MasterWorks II and MasterWorks III

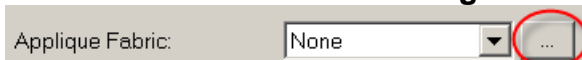
1. The basket is separated into two different objects in the Sequence View.
 - The outside of the basket is one object, and the inside of the handle is a separate object.
 - You will want to combine the two pieces to preview the look of the appliqué and then break them apart again before you save the design and sew it.
 - If you don't combine the two pieces the preview will place fabric in the opening under the handle.
2. Select both sections of the appliqué basket.
 - Left click on the **handle outline** in the Sequence View
 - Hold down the **Control key**  on your keyboard.
 - Left click on the **basket outline** in the Sequence View so both pieces are selected
3. Right click and select **Combine**  in the right click menu.
4. In the Properties Box, open the **Appliqué Fabric window**

5. Select **Fabric04** 

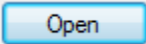


6. Left click **Apply** 
 - Your basket will be shown as it will appear with fabric!

If you want to see your own fabric previewed in the appliqué



1. Scan your fabric and save the image.
2. Left click on the **button to the right of the Appliqué Fabric window**

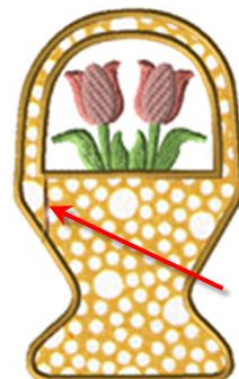


3. Locate your saved fabric scan, select it and left click **Open** 
 - Your scanned fabric will be shown in the appliqué and it will be added to your list of appliqué fabrics in MasterWorks
 - So the only thing you need to do to add your own fabrics to your MasterWorks fabric list is to use it!



Before you save the design

1. Open the **Appliqué Fabric list** and select **None**
2. Left click **Apply** 
3. Note that there is a jump stitch from the outside of the basket to the inside of the handle.
 - This happened when we combined the two lines.
4. Select the basket in the Sequence View
5. Right click and select **Break Apart**  from the right click menu to return your appliqué to two separate pieces and eliminate the jump.



In-the-Hoop Applique

It is easy to stitch in the hoop applique patterns. As you can see in the photo below, the tulips were stitched first so the stems would be under to basket applique.

To sew an appliqué in the embroidery hoop:

1. Hoop the background fabric and stabilizer
2. Sew the first straight stitch step on the background fabric
3. Place the appliqué fabric over the basket outline, making sure that the appliqué fabric covers the entire stitched outline.
 - You can use a sticky spray if you want to keep the fabric from shifting.



4. Stitch the second straight stitch through both the appliqué and the background fabric.



5. Remove the hoop from the machine, but do not take the fabric out of the hoop.
6. Carefully trim the fabric around the outside of the clover.
 - If you hold the scissors flat as you see in the picture you will not accidentally cut the background fabric.



7. If there is an inside hole to trim, as there is under the handle of the basket, use a straight pin to lift the appliqué fabric so you can insert the tip of your scissors to trim the appliqué fabric without cutting the background fabric.



8. Place the hoop back on the machine and stitch the satin stitch.
 - The raw edge will be covered and the appliqué is finished!



If you are planning to sew your applique on a Baby Lock multi needle machine:


1. Baby Lock multi needle machines are going to react to the color changes of the appliqué design differently than the single needle sewing and embroidery machine does.
2. A sewing and embroidery machine with just one needle sees a color change as an instruction to stop sewing so the machine can be re-threaded with a new color.
3. The multi needle machines see a color change as an instruction to change to a new needle and keep sewing.

It is easy to take care of this at the machine when you are setting up to embroider your appliqué design.



1. Touch the Color Palette symbol on the touch screen of the machine
2. Select the second color of the appliqué

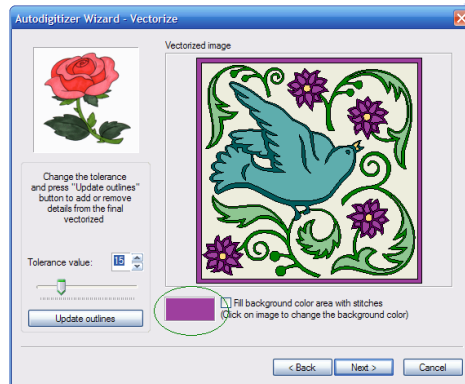


3. Touch the icon with a hand
 - The hand will appear above the spool in the color list
 - The hand tells the machine “Before you sew this color you must “Stop”.
 - This will allow you to place the appliqué fabric over the first outline that has already been sewn.
4. Select the third color of the appliqué and touch the icon with a hand .
- The hand will appear above the spool in the color list and the machine has been told to stop before sewing this color also.




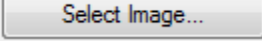
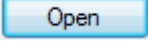
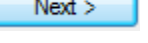

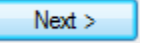
Using Framed Artwork

When creating designs from artwork with a frame, you will need to use the background options to control the resulting embroidery.

1. The wizard determines what the color of the background is by looking at what color is at the edge of the image
2. If you have an image with a colored frame around the background, then the wizard is going to pick up the wrong color as the background color in the image



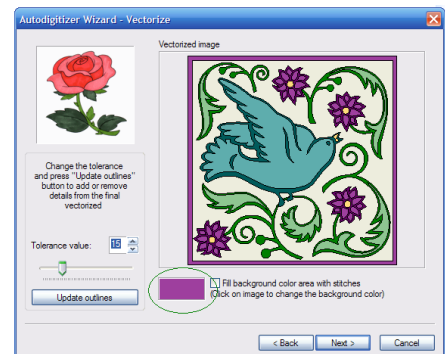
Try it with the artwork image shown in the picture above.

1. Left click **New**  on the Quick Access tool bar to open a New Page
2. Left click the **Tools**  on the ribbon at the top of the page
3. Select the **Auto-Digitizing Wizard** 
4. Left click **Select Image** 
 - And the Open Image box opens.
5. Select **"Bird with frame.WMF"**
 - Downloaded along with the class handout
6. Left click **Open** 
7. Left click **Next** 
8. Change the height to **100mm** 
9. Left click **Next**  twice.



On the Vectorize screen, note that the rectangle for the background color shows that the background color is purple.

10. Left click **Next**  and **Finish** 



11. Left click the **Home** tab



12. Left click **3D** to see what the design will look like when it is stitched.

- The purple frame was not stitched because MasterWorks treated it a background, and the white background was filled with stitches.
- There are also holes in the purple flowers.
- The same shade of purple from the frame was also in the flowers and was not stitched



Try it again, and see how easy it is to fix the problem

1. Left click **New**  on the Quick Access tool bar to open a new page

2. Left click the **Tools** tab

Tools

3. Left click to select the **Auto-Digitizing Wizard**



4. "Bird with frame.WMF" is already selected

J:\bird with frame.WMF

5. Left click **Next**

Next >


6. Change the height to **100mm**

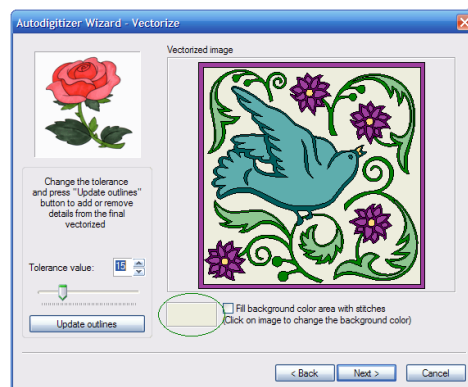
Height (mm): 100

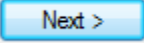

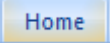

7. Left click **Next** twice.

Next >

8. On the Vectorize screen, change the background color to white

- Left click the **Eyedropper** 
- Move the cursor onto the picture and it turns into an eyedropper.
- Left click with **the tip of the eyedropper in the white background of the picture**
- The background rectangle turns white.



- Now the color that will not be stitched is white
 - And the purple in the frame and in the flowers will be stitched
9. Left click **Next**  and **Finish** 
 10. Left click the **Home tab** 
 11. Left click Draw 3D  to see what the design will look like when it is stitched.
 - The white background was not stitched because MasterWorks treated it a background, and the purple frame was filled with stitches.



Edit the Design

It is not unusual to want to do a little editing on designs that have been created in the Wizard.

1. You may want to change colors,
2. Change the type of fill stitches that were used,
3. Or change the stitching order in order to make the embroidery look exactly how you visualized it when you chose the artwork.

On this design the lighter purple areas were filled with a combination of Column and Fill stitches. To change all of the light purple to the same type of fill:

1. Select the **light purple** in the Sequence View



2. Left click **Apply Stitches**



3. Left click to select **Auto**

- The Auto Column tool will change all of the selected areas to a Column stitch and automatically place the stitch inclinations on each embroidery object.
- Both the flower petals and the frame look better when stitched in a satin column
- You may see the warning for satin stitches that are too large.

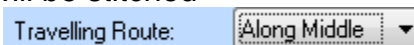
4. **Close** the warning box

5. In the Properties box, open the **Traveling Route window**



- This is a new feature in MasterWorks III
- It controls where the traveling stitches will be stitched

6. Change the Traveling Route to **Along Middle**



7. Left click **Apply** 

Change the stitch effect for the centers of the flowers

1. Select the **pale yellow of the flower centers** in the Sequence View

2. Left click **Apply Stitches** 

3. Left click **Motif** 

4. Open the **Pattern window** in the Properties box

5. Select **Candlewicking 04**



6. Left click **Apply** 

- The centers of these flowers are small enough that one motif stitch will fill the area!

Change the beak of the bird. The light yellow was also used in the bird's beak, and a candlewick stitch may not be the best choice for that area

1. Left click on the **plus sign to the left of the light yellow** in the Sequence View and the list of yellow areas is opened.
2. Left click on **each little yellow section** of the design then look to see which part of the design is selected on the design page
 - As you select each yellow stitch object that area will be selected on the design page
 - This is the easiest way to figure out which of those little yellow sections is the beak on the bird
3. When the selection box moves to the beak you will know that the correct area is selected

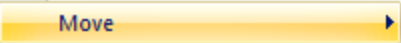

4. When you have found and selected the beak. left click **Apply Stitches** 

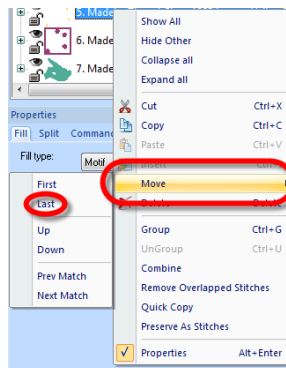
5. Left click to select **Auto**  to change the beak to a satin stitch.



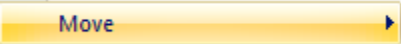
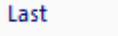
6. Left click on the **minus sign to the left of the yellow color** in the Sequence View to close the list again.

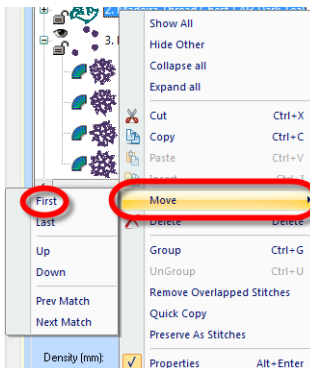
Change the sewing order

1. Right click **Light Blue bird body**  in the Sequence View to open the right click menu

2. Left click **Move**  in the right click menu
3. Slide sideways to select **First** 



4. Click and drag **the light green**  to sew before the dark green .
5. Right click the **yellow** in the Sequence View to open the right click menu
6. Left click **Move** 
7. Slide sideways to select **Last** 



8. The bird looks much better after the sewing order of the colors is changed
 - The wizard used the same order in which the colors were drawn by the original artist.
 - But when you translate the image to thread, a different color order creates a much better look




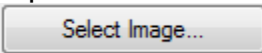


Color Same as Background

Sometimes you may have an image with the same color in the image and in the background. If you select to not stitch the background color, then you will not have any stitches on that color within the image.

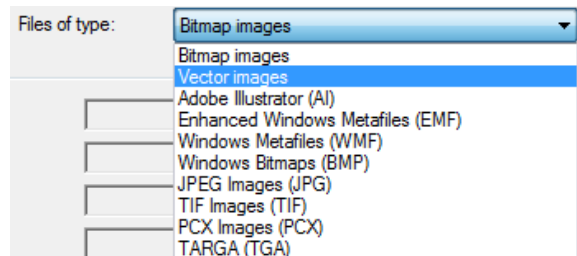
1. The wizard is not able to distinguish that some of that color is background and some of the same color is part of the image
2. You can easily edit the image so the background is a different color and solve the problem

To try it using the swan image included with the class download

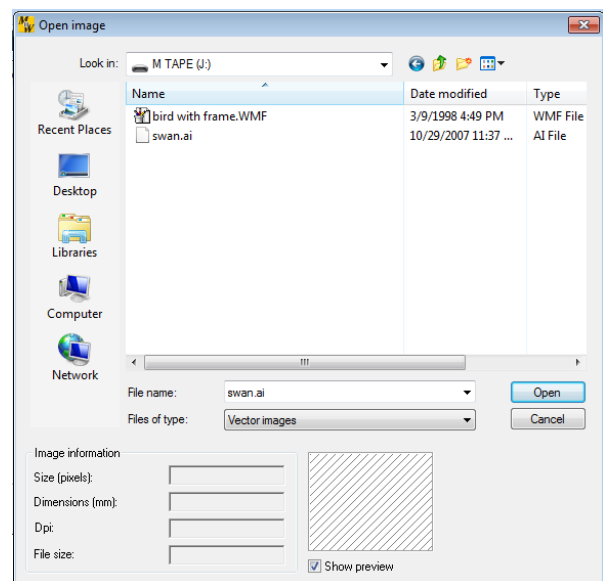
1. Left click **New**  on the Quick Access tool bar to open a new design page
2. Left click the **Tools** tab 
3. Left click **Auto Digitizing** 
 - And the wizard is opened
4. Left click **Select Image** 
 - Navigate to the folder where the image is stored

It may appear that the image is not in that file because the default is to look for Bitmap images and the swan is a Vector image

1. Open the **Files of Type** window and select **Vector images**
 - And now that the computer is looking for vector images, any .wmf (window metafile), .emf (enhanced windows metafile), or .ai (Adobe Illustrator) images in that folder will be visible so you can select them
2. Select the file called **swan.ai**



3. Left click **Open** 
4. Left click **Next**  in the wizard



The Image Transformation screen opens

1. Change the height of the image to **100mm**
2. Left click **Next**

Height (mm):

100

Next >

The Color Reduction Screen opens

1. Both the background of the image and the swan are white
 - If we do not sew the background color, there will be no stitching in the white area of the swan



2. The fastest way to fix this is to change the color of the background area of the image
3. Left click **Edit Image**

Edit image...


If you are using Paint

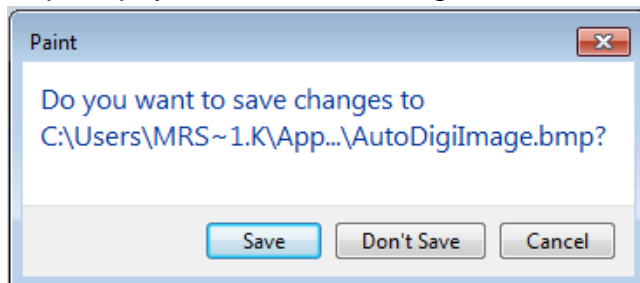
1. Left click the **Magnifier icon**
2. **Right click on the image** to zoom out so you can see the whole picture
3. Choose any color in the color palette at the top of the page that is not in the swan
 - There is no lime green in the swan, so that is a good color to use

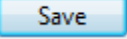


- Left click on the **lime green color chip** to select that color
4. Left click to select the **Fill with color**
5. Left click **above the swan's back** to change the background color to lime green
6. Left click **below the swan's neck** to change that part of the background to lime green



- Left click in the **lower right corner of the picture** to change the last little section of the background to lime green
- Close Paint by left clicking the **X in the red box**  in the upper right corner of the page
- A box opens to prompt you to save the image



- Left click **Save** 
- And the swan is returned to the wizard
 - And now the background areas of the image are lime green
 - And the swan is still white



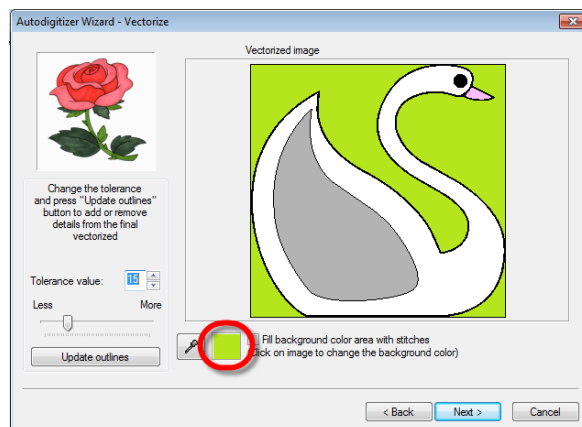
- Left click **Next** 

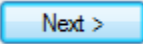
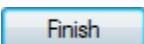
The Vectorize screen opens

- And the wizard has recognized that the background color of the image is lime green
- If there is no checkmark in Fill Background color area with stitches

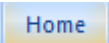

☐ Fill background color area with stitches
(Click on image to change the background color)

then the color that will not be stitched is the lime green shown in the box between the eyedropper and the Fill background box



3. The white areas of the swan will now not be affected by choosing to not sew the background color.
4. Left click **Next**  and **Finish** 

Edit the Swan

1. Left click the **Home tab** 
2. Left click **Draw 3D** 
3. Left click on the **background area of the design page** so nothing is selected

Change the color of the stitches in the beak

1. Left click to select the **beak** in the Sequence View
2. Left click an **orange color chip** in the Color Palette to change the beak color

Move the grey wing so it sews on top of the white swan body

1. Left click to select the **grey wing** in the Sequence View
2. Left click and drag to **move the grey wing** to the bottom of the list in the Sequence View so it will sew after the white swan

Move the black outline so it will sew last

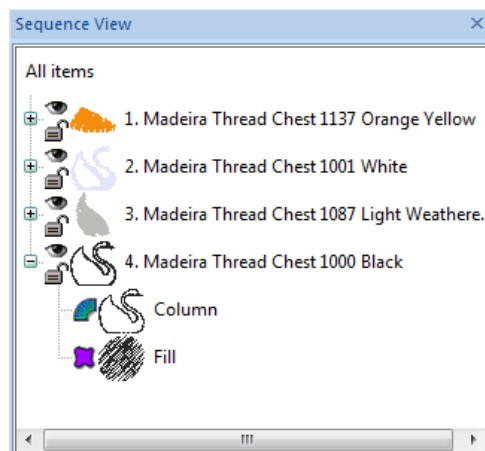
1. Vector artwork is generally drawn by creating the outline first, so you will often find that when using .wmf, .emf, or .ai files you will need to move the outline to the end of the sewing order
2. Left click to select the **black outline** in the Sequence View
3. Left click and drag to **move the black outline** to the bottom of the list in the Sequence View
 - The outline will now be the last to sew and will sew after the grey wing that we moved previously

Change the black to an outline stitch

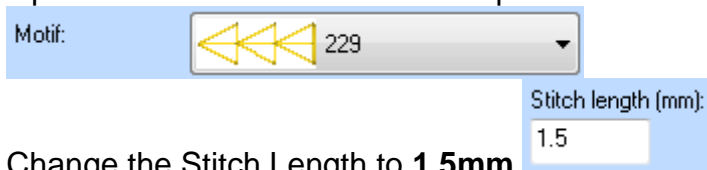
1. Left click on the **plus sign to the left of the black outline** and you will be able to see that the outline of the swan is a Column stitch and the eye is a fill stitch
2. Left click to select the **Column outline**

3. Left click **Apply Stitches** 

4. Left click **Run (Motif)** 



- Open the **Motif window** in the Properties box and select **motif 229**



- Change the Stitch Length to **1.5mm**

- Left click **Apply**



- And now the swan has a chain stitch outline

Change the swan's eye to a satin stitch

- Left click to select the **Fill stitch eye** in the Sequence View



- Left click **Apply Stitches**



- Left click **Auto**

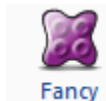
- And the eye is changed to a satin stitch instead of a flat fill stitch

If you want to add just a little bit more personality, you could also use a fancy fill on the grey wing

- Left click to select the **grey wing** in the Sequence View



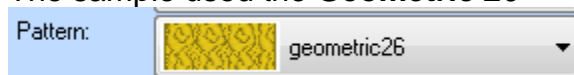
- Left click **Apply Stitches**



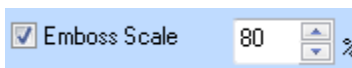
- Left click **Fancy**

- Open the **Pattern window** and select the desired pattern

- The sample used the **Geometric 26**



- The Emboss Scale was set at **80%**



The wizard will do the work of tracing your artwork and filling it with flat fill stitches.

The artistry of deciding what type of stitches will make the design pop and show your personality still belongs to you!



Companion Products for this Sew at Home Class

MasterWorks III with HoopWorks
MasterWorks III Upgrade with HoopWorks

EDG-MW3
EDG-MW3TU

Embroidery Positioning Stickers
Ginger 5" Curved Embroidery Scissors
Ginger 4" Curved Embroidery Scissors

BLSO-EPS
G-5C
G-4C
BBT-W (White)
BBT-B (Black)

Finishing Touch Bobbin Thread

Madeira Embroidery Thread, 40wt
Embroidery needles

75/11
SAHLG-BCSE8
SAH

Basic Embroidery Skills for Embroiderer's Learning Guide Windows 8
Sew@Home OnLine Classes (can be used for LIVE/Interactive or
OnDemand/recorded classes)

