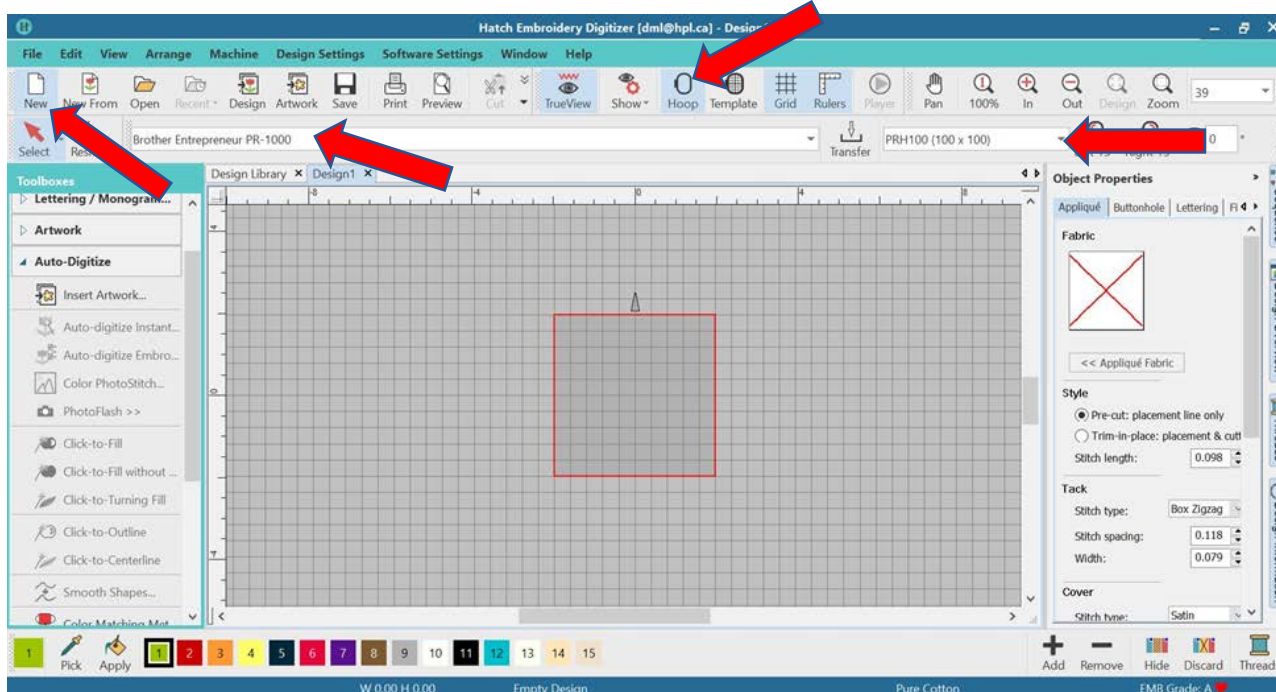


## Hatch Digitizer 101

Step 1: Open Hatch Digitizer, select the 'New' option in the top left-hand corner to open a new project. In the top centre-right, click the 'Hoop' button, ensure that the correct machine name has been selected, our machine is the Brother Entrepreneur. You can also select the size of the hoop that you intend to use in the software, this will give you a better idea of the size of your design.



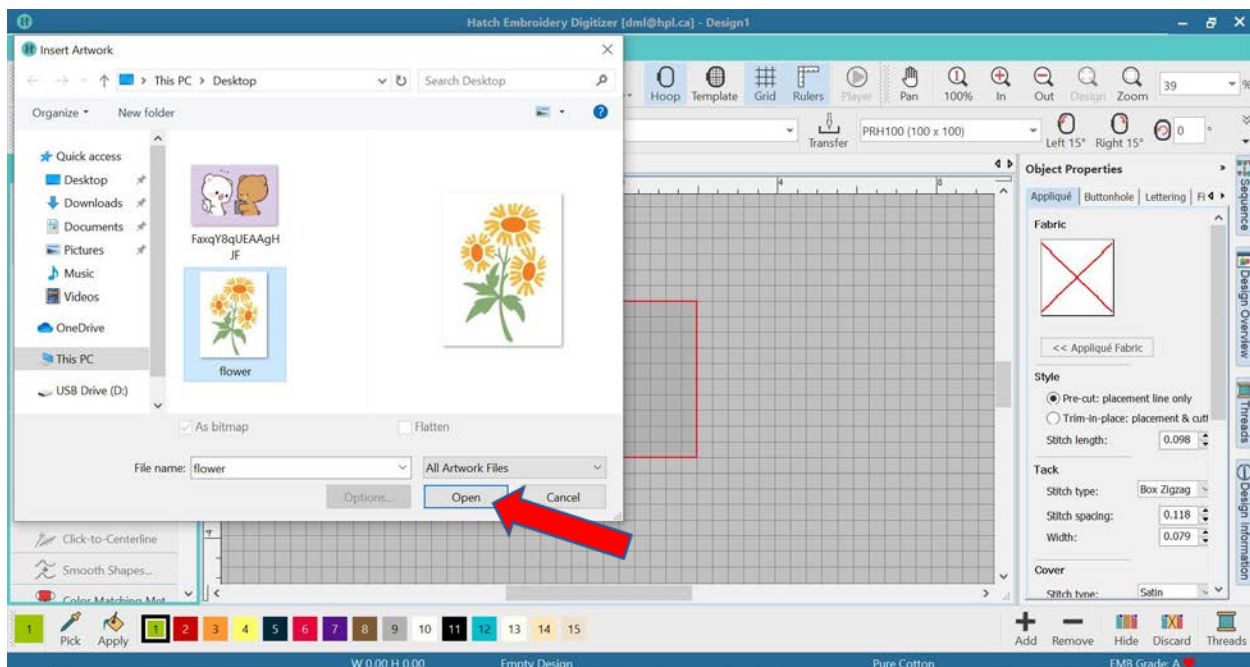
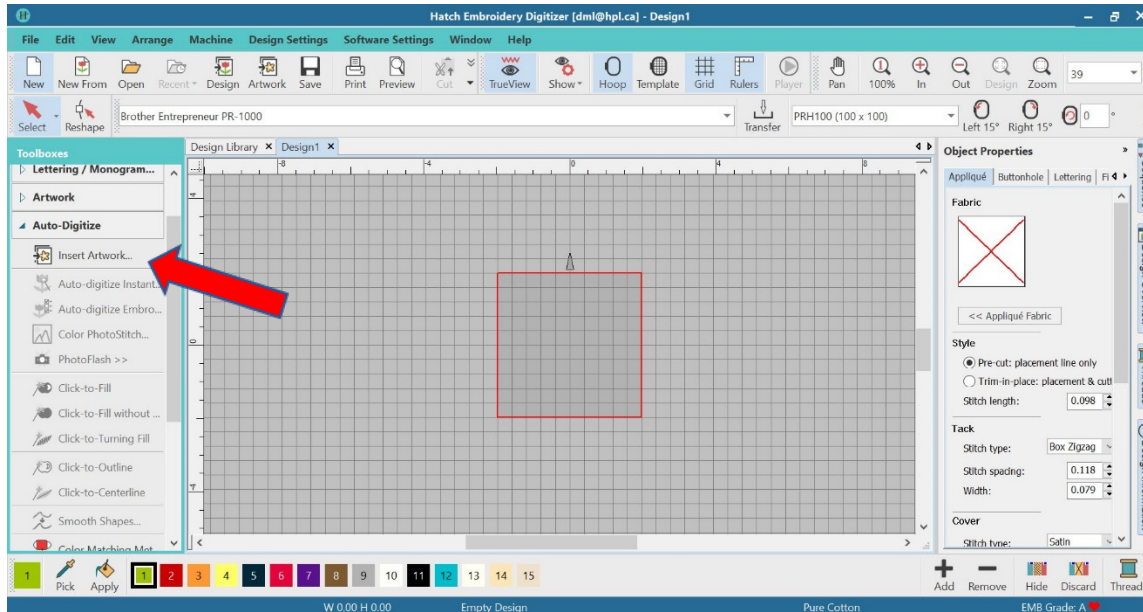
\*An embroidery hoop is the device that holds your fabric taut and in place while the machine sews your embroidery pattern, it is important to select the same hoop size in the Hatch software as what you plan to use in real life to have a better idea of how big your embroidery project will be.

Step 2: Select your image. Use Google image to search for an image of a flower (or whatever you would prefer), in order to get the best results in transforming the image into an embroidery pattern, you will need to select an uncomplicated design, using search terms like 'drawing,' 'illustration,' or 'cartoon' usually yields good search results. You want to select an image with clean lines, bold colours, and relatively little detail.

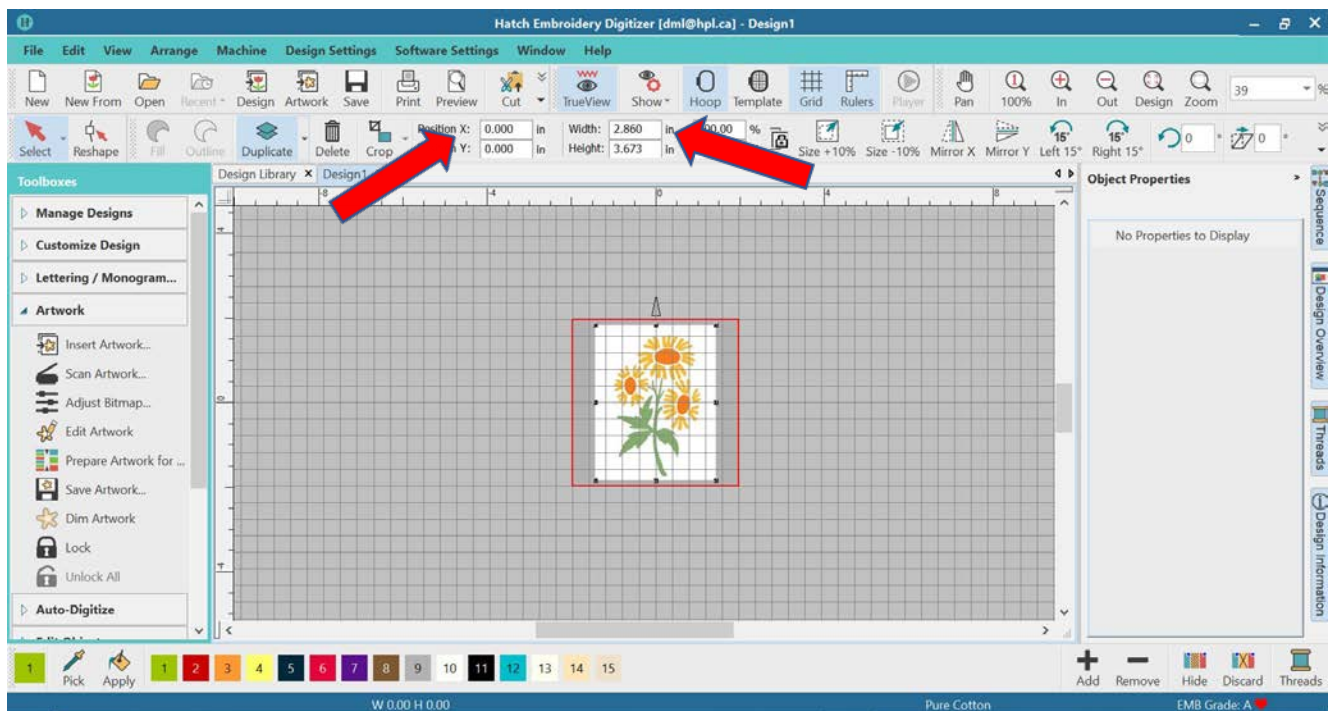


Step 3: Once you have found the image you would like to digitize, right click, and select 'Save Image As' and ensure that the image you have selected can be saved as a JPEG or PNG, and save the image to the Desktop, so that it is easy to locate later.

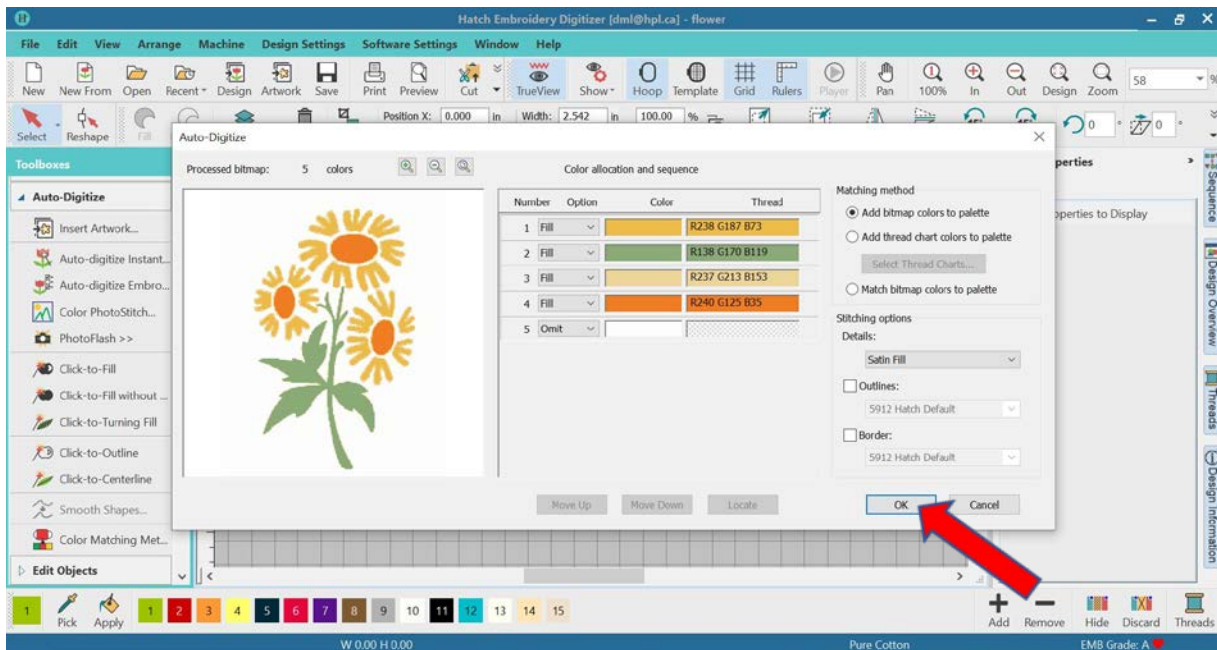
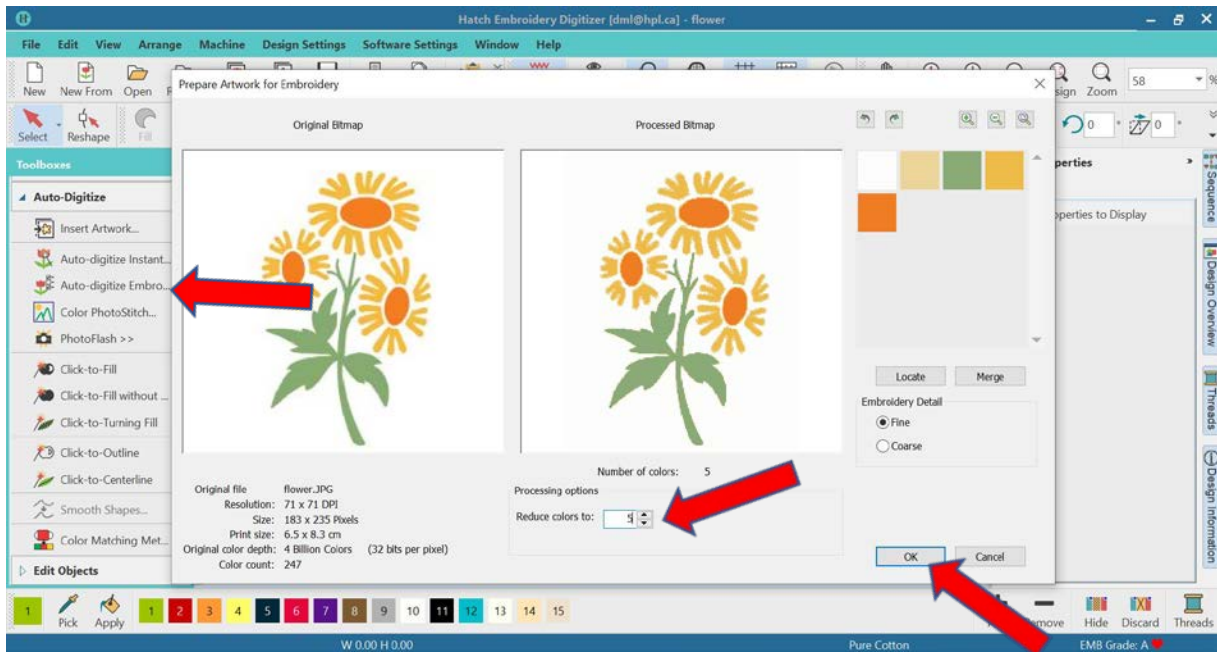
Step 4: In the Hatch Digitizer program, select the 'Auto-Digitize' function from the menu on left hand side and click 'Insert Artwork', select the image you saved previously and click 'open'



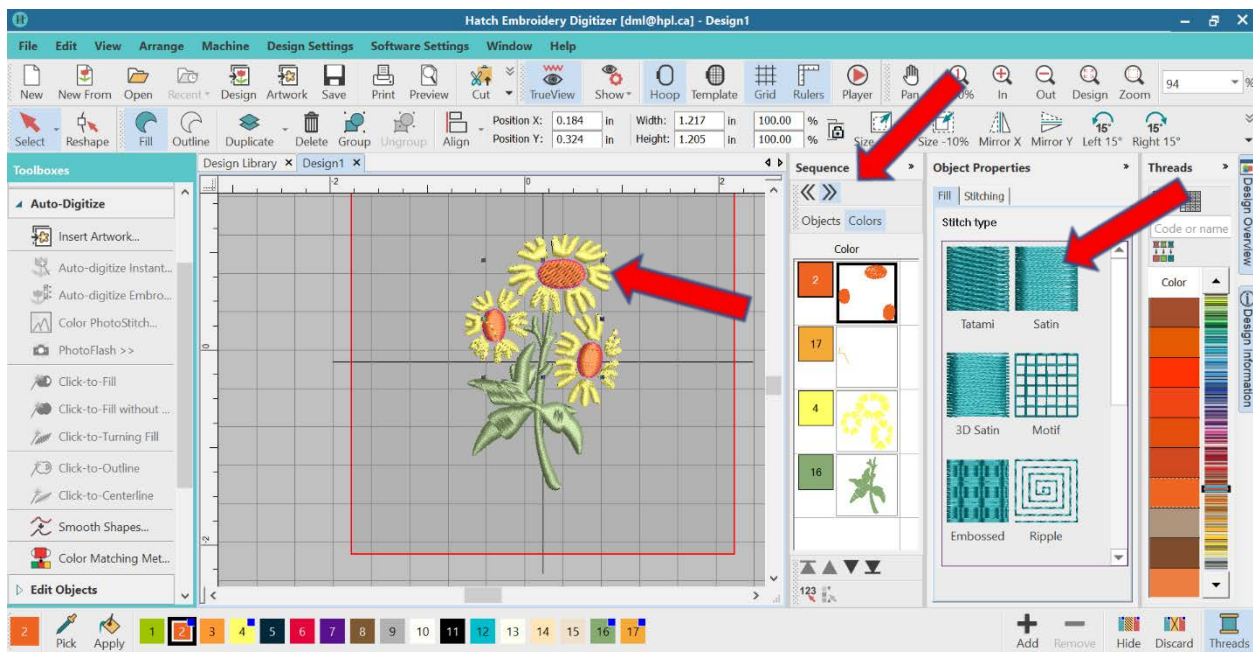
Step 5: The image you selected should show up within the hoop on the grid space, if you notice that the image is larger than the red square outline that represents the hoop size, you will need to reduce the size of your image, you may also need to increase the size of your image. You can reduce or increase the size of the image by going to the sizing tool at the top centre of the program, it lists the width and length of the embroidery project, you can change the size in inches or you can increase or decrease the size gradually by percentages. When you change the size of one dimension, the other will automatically adjust to the same aspect ratio.



Step 6: Once you are satisfied with the size of the image and how it will fit into the embroidery hoop, return to the 'Auto-Digitize' tool at the left-hand side and select the 'Auto-Digitize Embroidery' option, from there you will see a pop-up window that shows the number of colours the software has detected in the image you have uploaded, the number of colours will translate to the number of thread colours in the embroidery piece. Keep in mind that the software will detect every minor gradient shift in colour that we cannot see, so we can reduce the number of colours down to the most basic colours visible in the image. This will make the embroidering process easier as it will reduce the number of thread colours and the number of times you will need to rethread the machine.



Step 7: The image within the hoop should now appear as an embroidery pattern, if you go to the far right-hand side, you can see a vertical tab that says 'Sequence'. From there you can view the sequence of what the machine will embroider; by grouping colours together you can increase efficiency when embroidering. You can also delete sections of embroidery by clicking the section you would like to delete, once you see the section outlined in magenta, click the delete button the keyboard. In addition, you can change the texture pattern by going to object properties and selecting a new stitch type to suit whatever effect you want to achieve. To un-do any changes, simply hold down Ctrl+Z.



Step 8: When you are satisfied with the way your pattern looks. Insert a USB stick into the computer and click 'Output Design' and then select the "Export a Design" option. The file will save as a .PES file, ensure that it gets saved to the USB drive F. This is the drive where the cable is connected from the laptop to the embroidery machine. On the embroidery machine you will see your saved file on the touch screen. Once you have hooped your fabric and threaded your machine you are ready to embroider!

