



# Auto Cross-Stitch®

Enhances the software  
with the capability of Cross-stitch auto-digitizing!

*--futura*™  
User's Manual

**SINGER®**

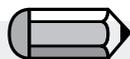


# Inside Auto Cross-Stitch

**Auto Cross-Stitch** is designed to **automatically digitize** an image (artwork) into an embroidery design with **Cross-Stitches**. Auto Cross-Stitch has a **Wizard** that walks you through a step-by-step process for creating an **automatic** embroidery design. In this segment, each step and process will be defined.

See the section called **“How to Use Auto Cross-Stitch”** for a quick description of using the Auto Cross-Stitch wizard.

## Open Wizard



You must launch the Software (see section called “How to Open FUTURA) to use the **Auto Cross-Stitch** wizard.

Step	Action	Result
>1	Select <b>Auto Cross-Stitch...</b> from the <b>Create</b> drop-down menu.	Auto Cross-Stitch Wizard/ Introduction page will open.
>2	Click <b>Next</b> .	

### >1: Open Image

This is the step to choose the image, or artwork to be used with **Auto Cross-Stitch**. If you are familiar with any Cross-Stitch embroidery, you will appreciate the fact that, **simple is better** when it comes to artwork. It is important to use a clean image for this process. A vector type Image (.WMF) like **“clipart”** works best. If the image was **scanned**, it is a **Bitmap** type (millions of pixels) image – either **.bmp** or **.jpg**, and must have a reasonably “high resolution”. **150-300 DPI** is good. The software will **reduce the colors** so that it is feasible to stitch the art in embroidery.

Step	Action	Result
>1	Choose the <b>Select</b> from the Select Image box.	The Open Image dialogue box will open.
>2	Choose <b>Image</b> (of your choice) from folder where your images are stored.	
>3	Click <b>Next</b> .	

**>2: Crop Image**

In the 2<sup>nd</sup> step the Wizard is supplying the option to **Crop** (cut) the **Image**. Though it is **not necessary** to crop, there may be some areas that are not desired in the embroidery design.

Step	Action	Result
>1	Click on <b>square</b> on the frame around image.	
>2	Drag <b>square</b> to Crop.	
>3	Click <b>Next</b> .	

**>3: Set Dimensions**

The 3<sup>rd</sup> step is your chance to change the **Dimensions** (size) of the image.

Step	Action	Result
>1	Click <b>Width</b> (or <b>Height</b> ) box.	
>2	Type <b>new value</b> .	<b>Both</b> dimensions will change at once.
>3	Click <b>Next</b> .	



It is possible to **change the Unit** (of measurement) from **CM** to **MM** or **Inches** in the **"Units"** box.

**>4: Color Selection**

In this step the software is prepared to reduce the number of colors in the image. The Wizard is **very** self-explanatory. Remember when, in referring to a "Bitmap" type of image, we said it has "millions of pixels"? How many threads/colors do you want to change?

Step	Action	Result
>1	Check <b>Reduce Colors Automatically</b> in the Color set suggestion box.	This box is enabled by <b>default</b> .
>2	Click <b>Suggest</b> .	The Wizard will look at the image and suggest some colors.



1. It is possible to “Pan” the image in the small screen on the right-hand side of the **dialogue** box. Simply **right-click** and **drag** the image.

2. It is also possible to **delete** segments that you do not want to be digitized. Simply highlight the color in the suggested color box, and select “Remove”

Step	Action	Result
	or	
>1	Check <b>Reduce Colors to</b> and <b>Type</b> in <b>number of</b> desired (thread) colors.	
>2	Click <b>Suggest</b> .	The Wizard will look at the image and suggest (the amount entered) colors.
>3	Click <b>Next</b> .	

### >:5 Cross-Stitch

This 5<sup>th</sup> step is designed to offer some control over the way that the software “automatically” handles the Cross-Stitch elements of the image. The **size of the Cross-Stitch and connection policy** (how to travel **between blocks**) will affect the outcome of the Cross-Stitch design. It is also possible to stitch the “background color” of the art (often, white) – or not.

Step	Action	Result
>1	Click <b>Cross Size</b> and move up or down.	The Cross-Stitch will change size according to the set value. The preview of the image will reflect proposed size.
>2	Check <b>use a Jump Stitch</b> box.	All Blocks will be connected with a Jump Stitch.

Continues >

Step	Action	Result
>3	<b>Stitch Background:</b> Check <b>Stitch Background</b> if color is vital to design.	
>4	Click <b>Finish</b> .	The image will be processed <b>showing progress bars</b> until complete.

**Voila!** Now, you have an embroidery design that was created with a minimum of labor, and a maximum of control.



**Image 1**  
finished embroidery design



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