Digiverstas

Vinyl cutter and Heat Press

With the vinyl cutter you can create unique monochrome stickers and fabric prints. There are several color options to choose from.

The sticker material is suitable for flat surfaces, such as windows, for a bicycle, as a decoration for a laptop, etc. You can choose from several color options.

The vinyl material is printed on the fabric using a heat press (e.g. in a t-shirt or canvas bag). Recommended materials are cotton, polyester, and a mixture of these. The vinyl material has several color options.

Material fees:

Sticker material: €1 / 10 cm long piece of 122 cm wide sticker roll.

Vinyl material: €1 / 10 cm long piece of 50 cm wide vinyl roll.

Please note that the device automatically makes a 4.5 cm border.

Material limitation: maximum 2 m / customer.

You can get more information from the library staff.

Vinyl cutter
Roland CAMM-1-GR-540

With the vinyl cutter you can create unique monochrome stickers and fabric prints. The sticker material is suitable for flat surfaces, such as windows, a bicycle or as a laptop decoration. The vinyl material is printed using a heat press to the canvas or fabric.

Monochrome or clear contrast is required as a model image
A JPEG image file, such as a logo or silhouette image.
Also EPS 7 and 8 and Illustrator 7 and 8 format vector files are valid.

Link to the manufacturers webiste https://goo.gl/b1axi2

Loading the material into the cutter

Choose the desired color and material.

Larger rolls are adhesive sticker material.

The smaller rolls are vinyl suitable for fabric printing.

Turn on the device. Wait for the rollers holding the material in place to

move up. Pull the old material out from the back of the device and roll it up.

Loading the material into the cutter

Place a new roll in place of the old one and pull the material through the device from the back to the front.

- The sticker material is placed into the device with the colored side (sticker side) facing up.
- The vinyl is placed in the device matte side up.

Place the sticker or vinyl so that the rollers holding the material in place are at the gray rectangles and as far as possible on the edges. Make sure the material is straight.
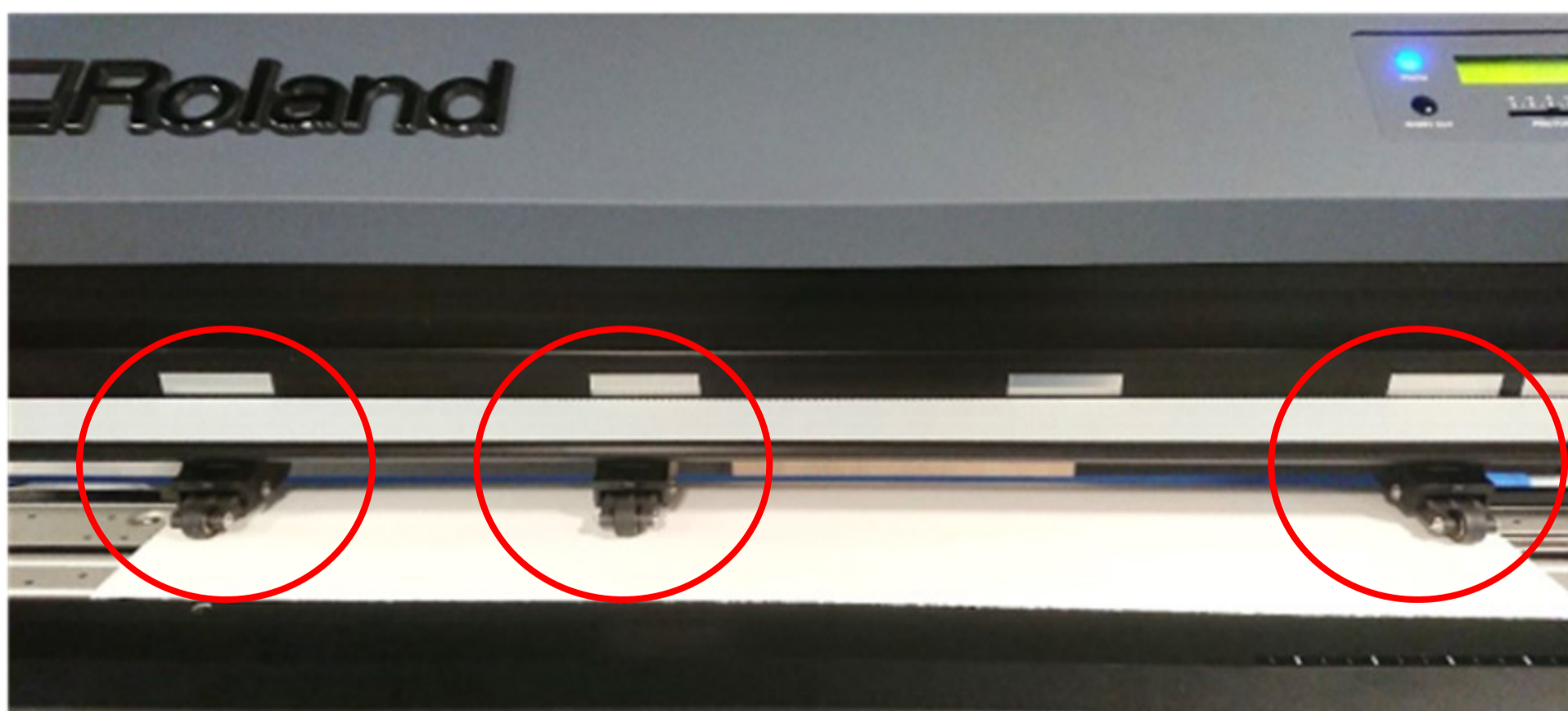
When the material is right, press the PINCH button on the device.
The rollers descend and the material locks into place.

The display of the device now reads **SELECT SHEET**.
Press the down arrow key once until the display reads **EDGE.**
If you use a smaller piece instead of the whole roll, select **PIECE.**

Press **ENTER** to confirm.
The material and blade move to the starting positions.

Model design

A single-color, clear-contrast JPEG image file, such as a logo or a silhouette image, is required as a template image. EPS 3 and Illustrator 3 format vector files are also acceptable.

Ready-made models can be found e.g. Google image search by entering silhouette or stencil as the search term. Remember the copyright!
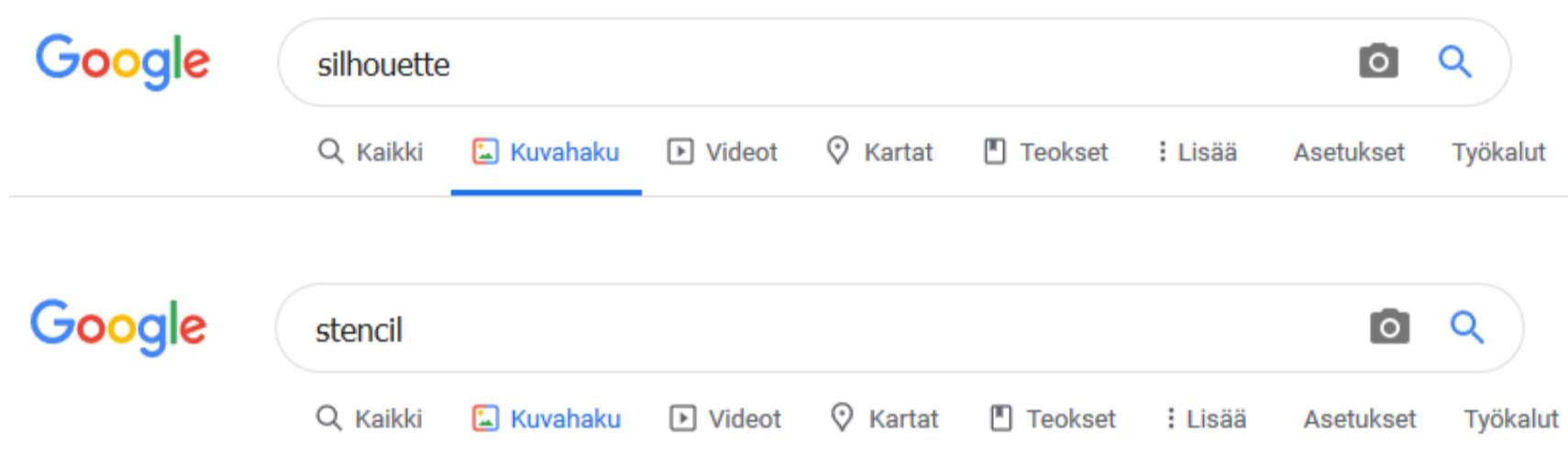
For example, such an image is well suited for cutting:

Before starting CutStudio, find the image ready. If you want to cut only text, you can do it directly in the program.

CutStudio program
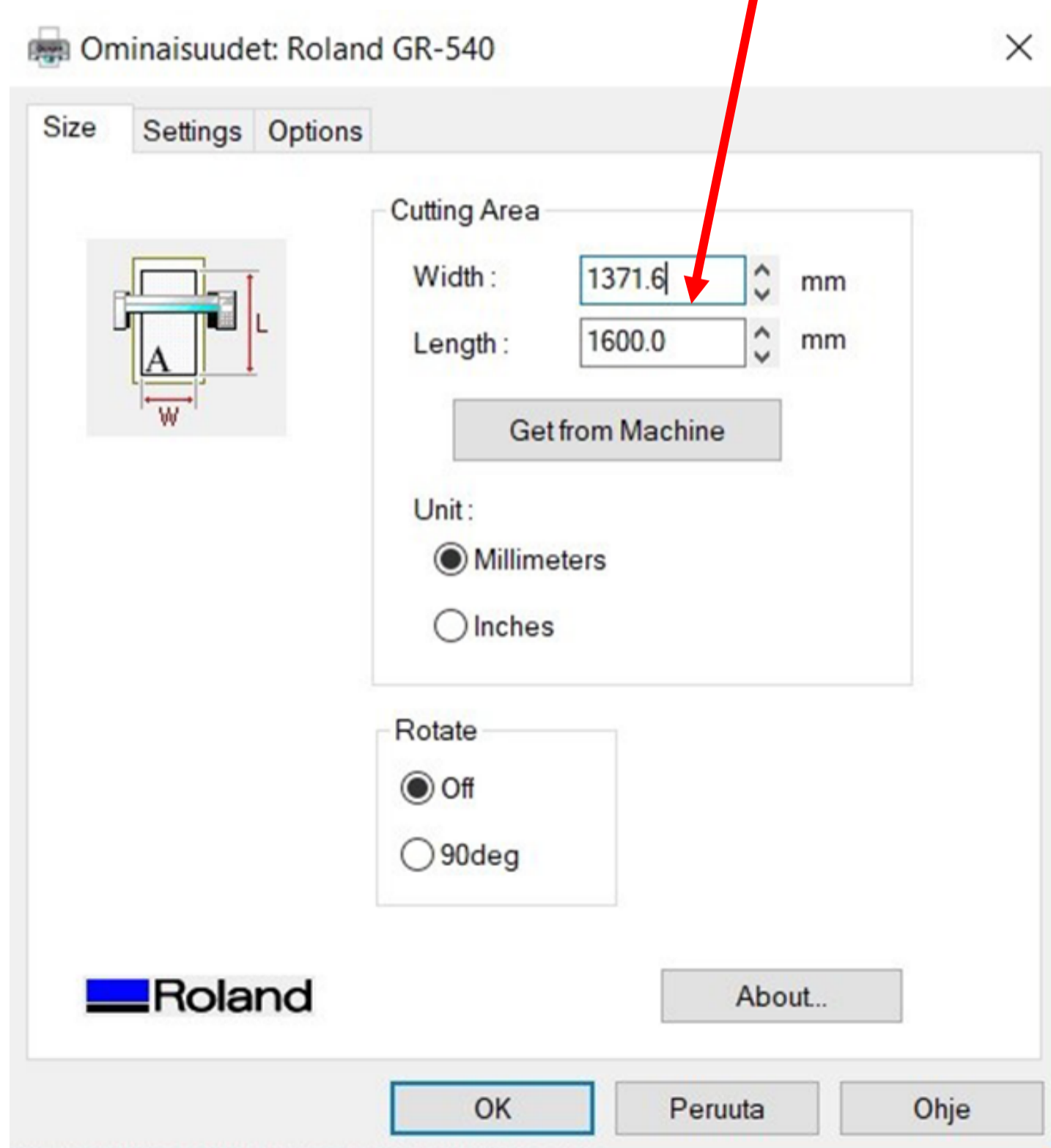
Start Roland CutStudio from the computer icon.

The white area describes the width of the work area.

Make sure the settings are correct by clicking:

File > Cutting > Setup > Change > Get from Machine

Click **OK** twice.

Editing a file in CutStudio

If you want to print the text, click the ⬛A icon on the left side of the program. You can change the font and the size of the text by selecting the text and by clicking **Format > Font.**

After you finish editing the text, select the program with the arrow icon from the left side.

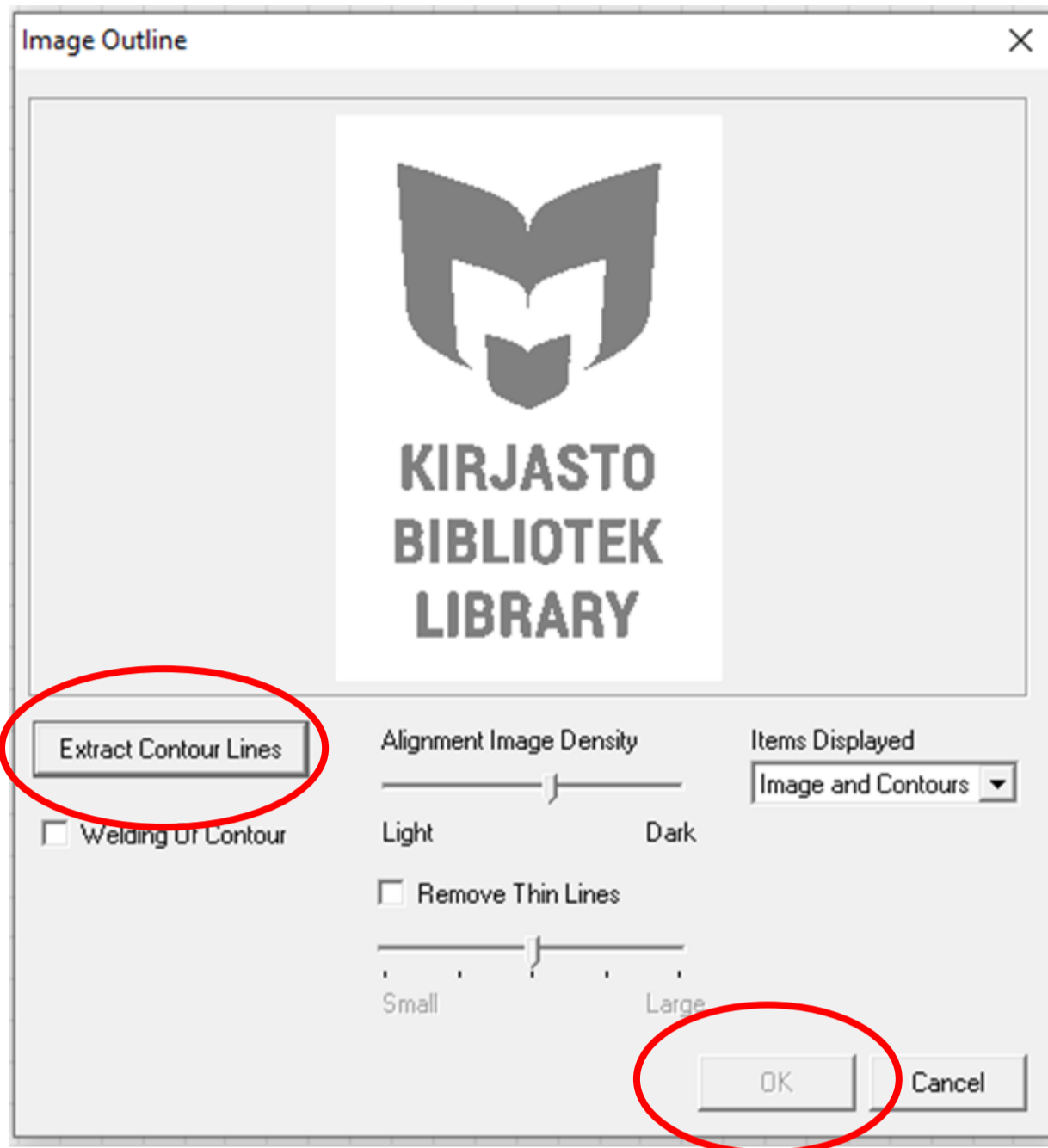The image file is imported into CutStudio in JPG or BMP format.
The image must be high-resolution, with clear contrast and preferably monochrome.

Click **Import** in the top bar and select the desired image file. Activate the image by clicking on it with the mouse.
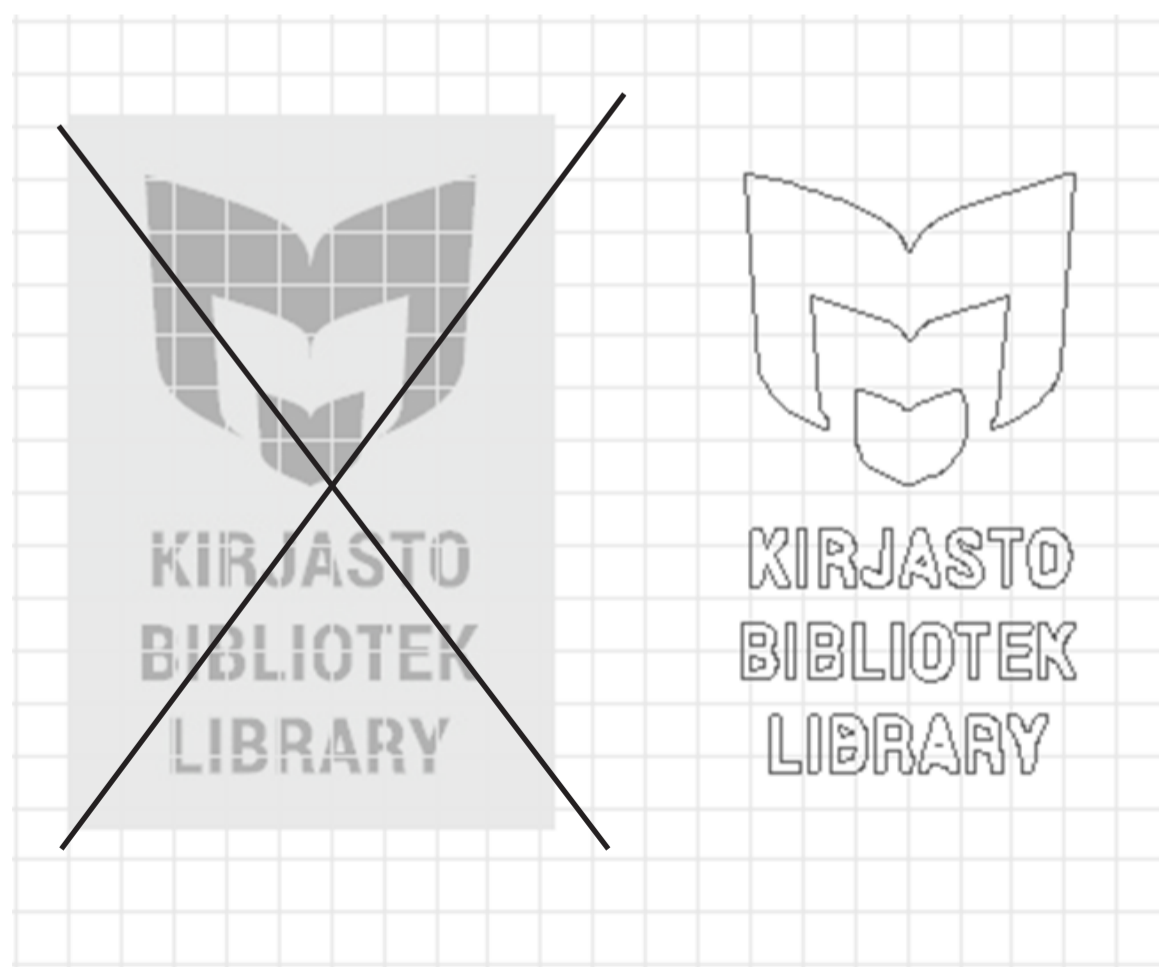
Press the right mouse button on the image and select
**Image Outline > Extract Contour Lines**. Click **OK**.
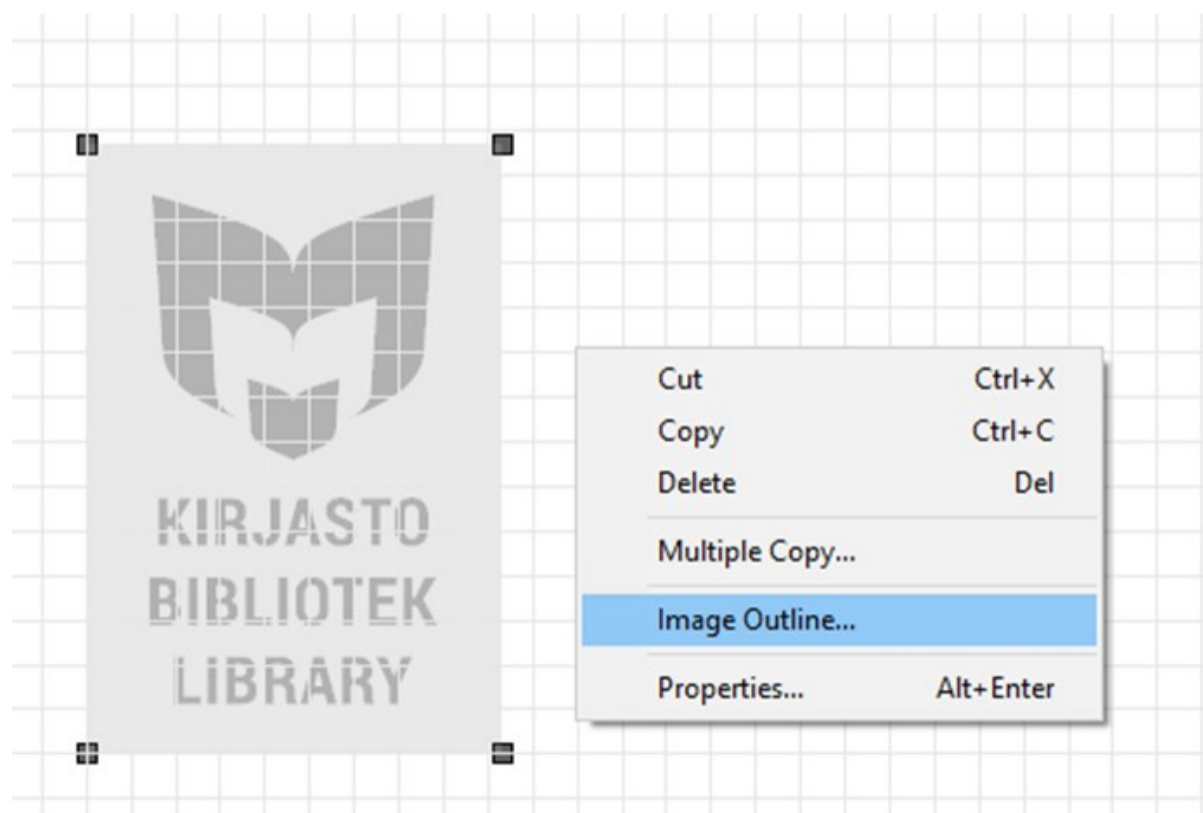
When the outlines of the image appear, you can drag them off the top of the image with the mouse. Remove the remaining gray image.

You can change the image size by right-clicking on it and selecting **Properties.** Check the **Keep Aspect** box before changing the height or width of the image.

Sometimes the text or image needs to be translated so that it fits in the work area. Right-click the object, select **Properties** and enter 90 in the **Rotation Angle** field.
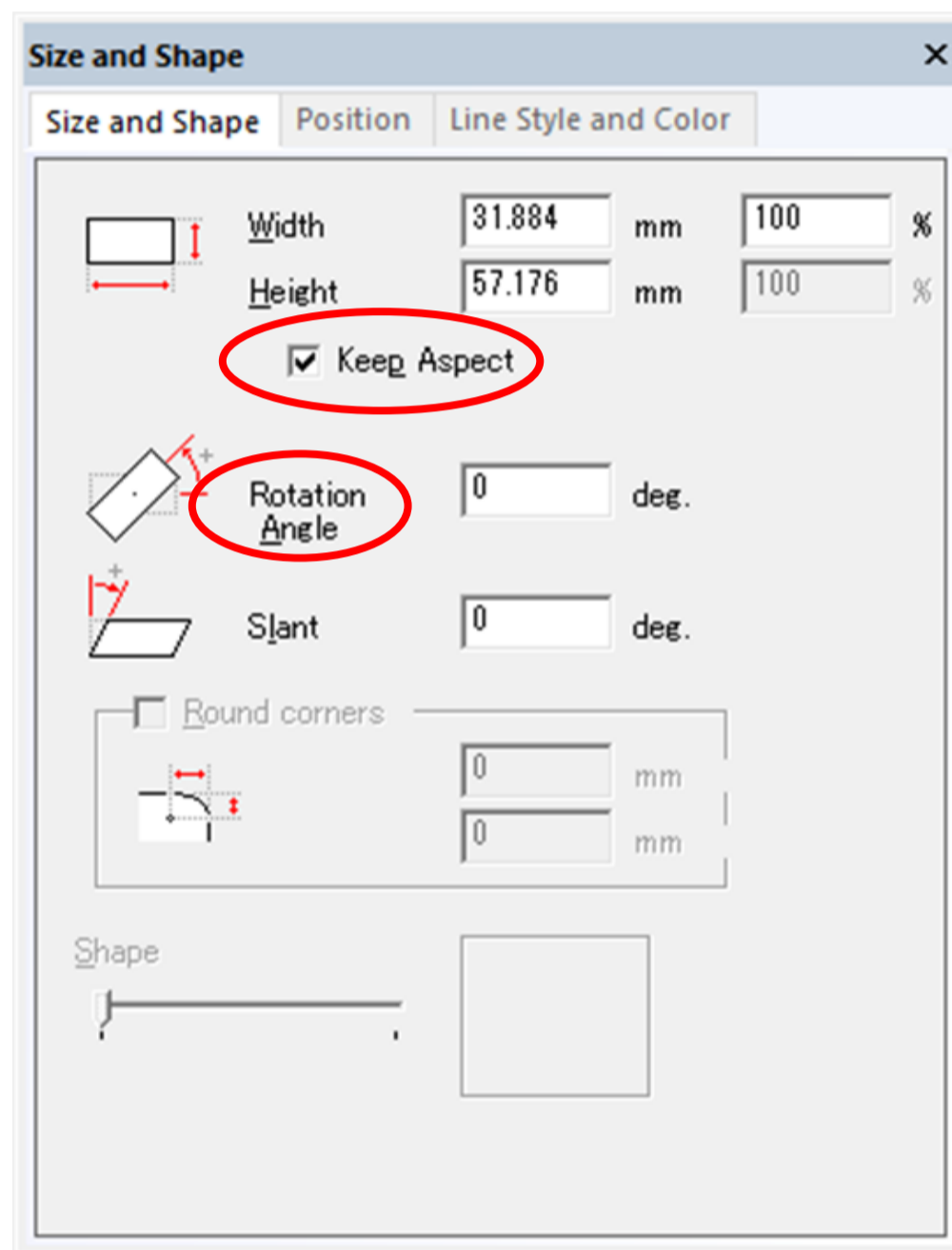
The **Move** icon moves the selected object to the lower left corner of the workspace.
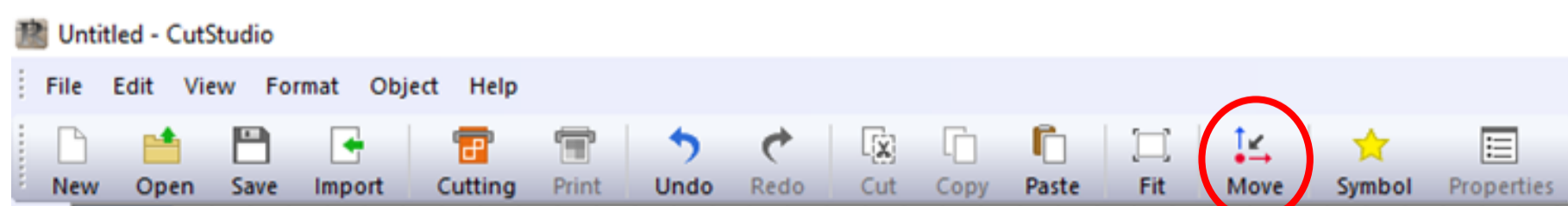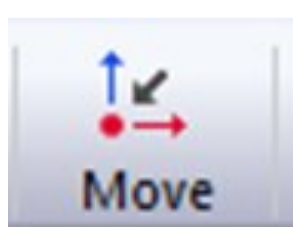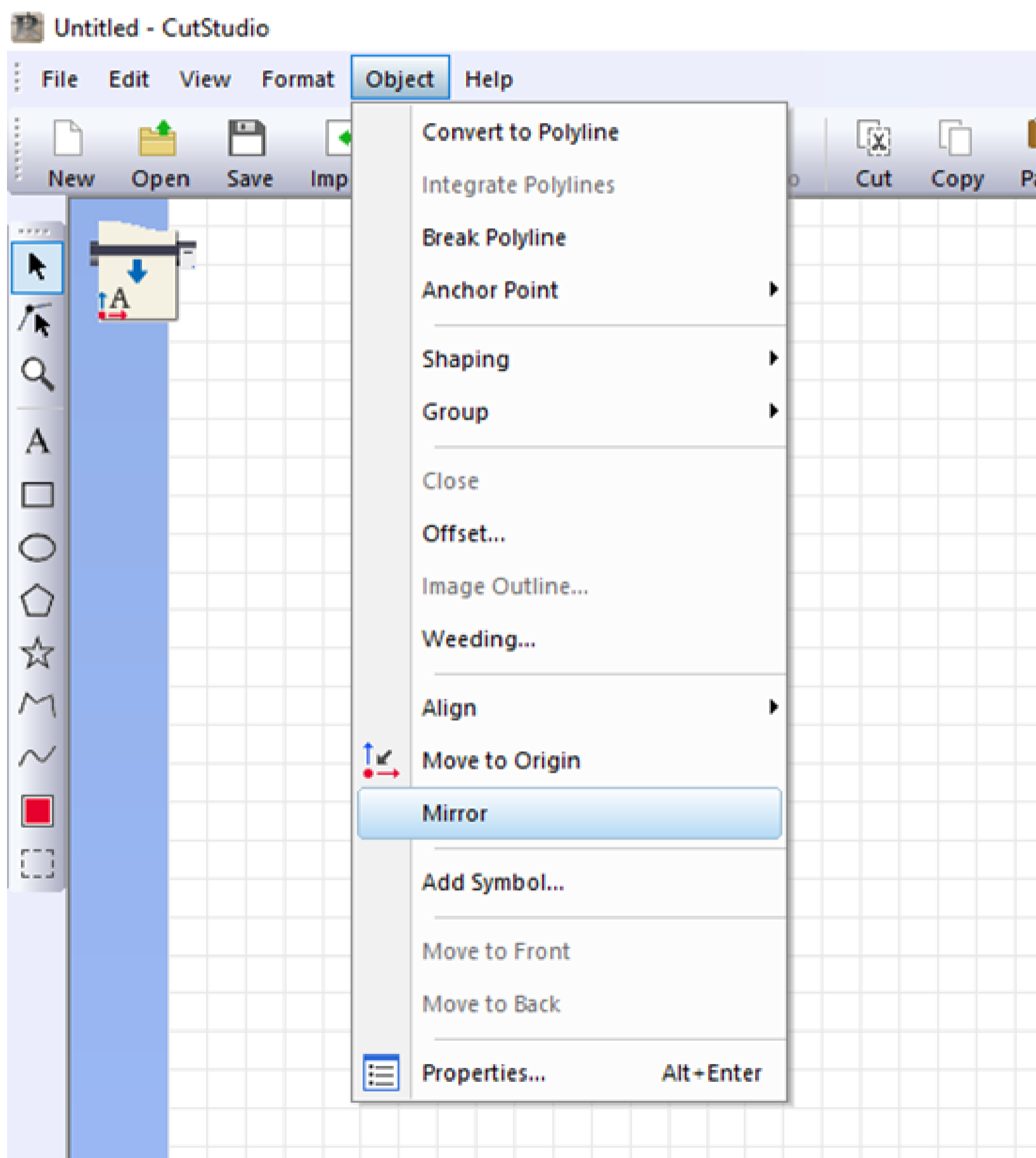
IMPORTANT! !TNATROPMI

If you do **fabric printing**, all the images and texts will need to become **TRANSLATED INTO MIRROR IMAGE**.

Select all objects with the key command **Ctrl+A**.

Then select **Mirror** from the **Object** menu.

By repeating the process described above, the same work can be brought seve-ral images or texts. It is recommended to use the entire roll of material in width, because the price of the printout is determined by the length of the roll used (1 € / 10 cm).

Cutting with a cutter

When the material is correctly placed in the cutter and the model settings in CutStudio are in order, click on the **Cutting** icon in the top bar of CutStudio.

In the window that opens, click **OK.**

If you intend to press the heat transfer film you cut onto the fabric, start the heat press at this stage.

The cut is complete when the cutter stops.

Move the roll forward by holding down the **down-arrow** cutter

from the **arrow pad** until the cut pattern is on the cutting line of the cutter

below.

Press the **SHEET CUT** button at the bottom for a moment, the device will cut across the roll.

Use tweezers to remove excess material from the work you have cut. All that remains is the text or pattern that you want to remain in your work. After picking, a **transfer sticker** is put on the sticker, which allows the sticker to be placed in the desired place. The heat transfer film is pressed onto the fabric with a heat press. Materials left over from picking are recycled into com-bustible waste.

Heat Press
STAHLS' Hotronix Air Fusion

General

- The heated upper part of the press turns 180 degrees to the right. Make enough space around. Do not touch the hot top plate of the press! Please make sure that there is nothing between the plates of the press that does not belong there.

- The press works with compressed air (compressor).

- Press and compressor are started as needed. Devices are not kept on all the time.

- The Press takes about 15 minutes to warm up.

- Different materials require different temperatures. For the library heat transfer films, the settings are: heat 150 degrees, pressure 2.3 bar.
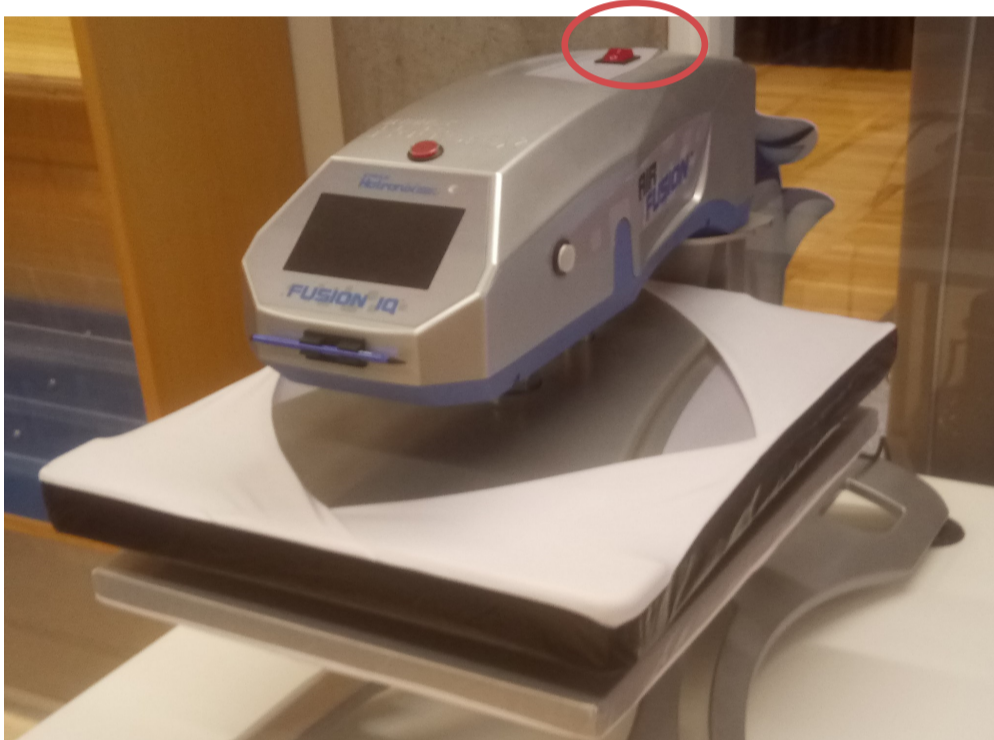
Heat Press
STAHLS' Hotronix Air Fusion
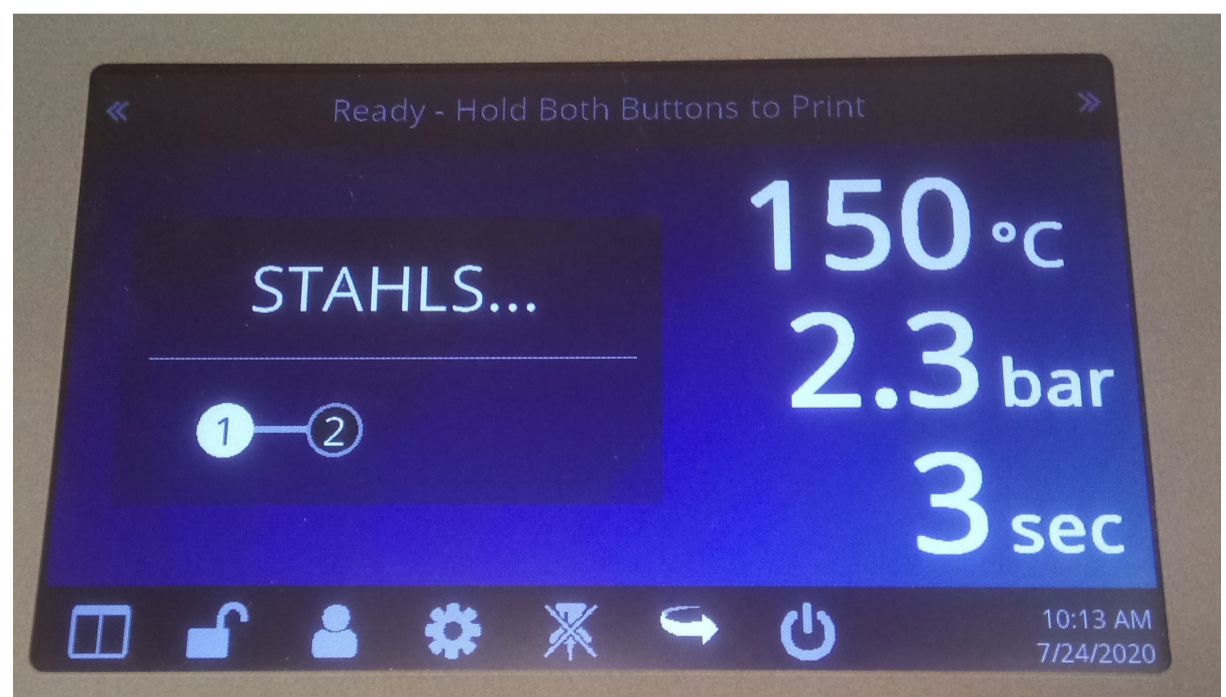
Manual

Turn on the compressor and the press.

The Press power button can be found at the top.

The compressor button can be found on its right edge.

It takes about 15 minutes to warm up the press.

Heat Press
STAHLS' Hotronix Air Fusion

When the device is warmed up, press the pedal.

The heated upper part of the press swings out and turns to the right.

Please make sure that the space is free around the machine.

Place the fabric to be printed on the bottom plate as straight as possible. You can also thread it around the base.

Do not stretch the fabric so that the membrane does not pull it on the dome.

Pressing is done in two stages

Pre-press the fabric (3 seconds)

Move your hands away from the press and move the upper part of the press back with the foot pedal in place.

Press the buttons on the sides of the top of the press at the same time with both hands until the press has pressed into the fabric. Release.

Pre-pressing takes 3 seconds, after which the upper part automatically moves to the side.

Printing press (5 seconds)

Place a cleaned (with all unnecessary material removed) print image with the heat transfer film shiny side up on the fabric to the desired position.

Move your hands away from the press. Press the upper part of the press with the pedal in place.

Printing press (5 seconds)

Press the buttons found on the sides of the top of the press with both hands at the same time until the press is pressed against the fabric.

Pressing takes 5 seconds, after which the upper part automatically moves to the side.

Wait a while for the film to cool down. Take the product out of the press.

Press the upper part back into place with the pedal.

Printing press (5 seconds):

When the pressed film has cooled, carefully remove it.

If the film has not stuck to the fabric properly, you can press it again. Open the press with the pedal, put the fabric in the press. Put disconnected protective film over the pattern, shiny side up. Press 3 or 5 seconds.