



SIDERIS PRINTER
User guide

1. GENERAL INFORMATION

The SIDERIS PRINTER plotter is designed for printing with tinsel and colored type of foil, on to paper, cardboard covers as well as covers covered with a paper veneer. It is also possible to print on plastic or plastic-coated materials, however a print test must be done first to ensure the suitability of the material. An additional advantage is that the possibility of printing on the channels.

Ask your supplier for details about expanding the device's capabilities. Operating the device does not require special qualifications however, before starting work with the equipment, read the user guide.

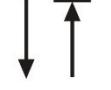
2. HEALTHAND SAFETY PRECAUTIONS

- Before using the equipment, read the Health & Safety instructions, manufacturers recommendations and operating instructions.

This manual must be kept close to the equipment so the operator can use it at any time, should there be any doubts regarding safety or operation of the device.

- Place the equipment on a stable and solid surface.
- The device is intended for indoor use only in normal humid conditions.
- Protect the device against moisture and dust.
- Do not place the device near heating or ventilation devices.
- Do not use the device near flammable gases or liquids.
- The device can only be powered by the original power cord.
- Power supply voltage must complywith the parameters specified on the plate located on the housing. Failure to do so may result in electric shock and fire.
- Protect the device's power cable from damage. Do not use the cable to carry the device or pull the plug out of the socket.
- There is a risk of an electric shock and fire if the power supplyfor the system or power cord is changed.
- The device is completely disconnected from the power supplywhen the plug is removed from the socket.
- Unplug the device if it is not used for a long time or when it is moved.
- Keep the device out of reach of children.
- Do not use the device for any other purposethan those specified in the operating instructions.
- Check the efficiency of the device. If you notice any irregularities when usingit, contact the service center.
- Always operate the device in accordancewithin the General Health and Safety at work rules.
- All repairs to the device may only be carried out by an authorized person during the grantee/warranty period.
- Do not use solvents or petroleum based products to clean the device.
- Be particularly careful during work –a movingelement can pull loose clothing or jewelry into the equipment and cause an injury.
- Do not touch the heating element –risk of burns.
- The device contains a sharp element –be careful –risk of injury.
- The device should not be operated over 2000meters above the sea level.

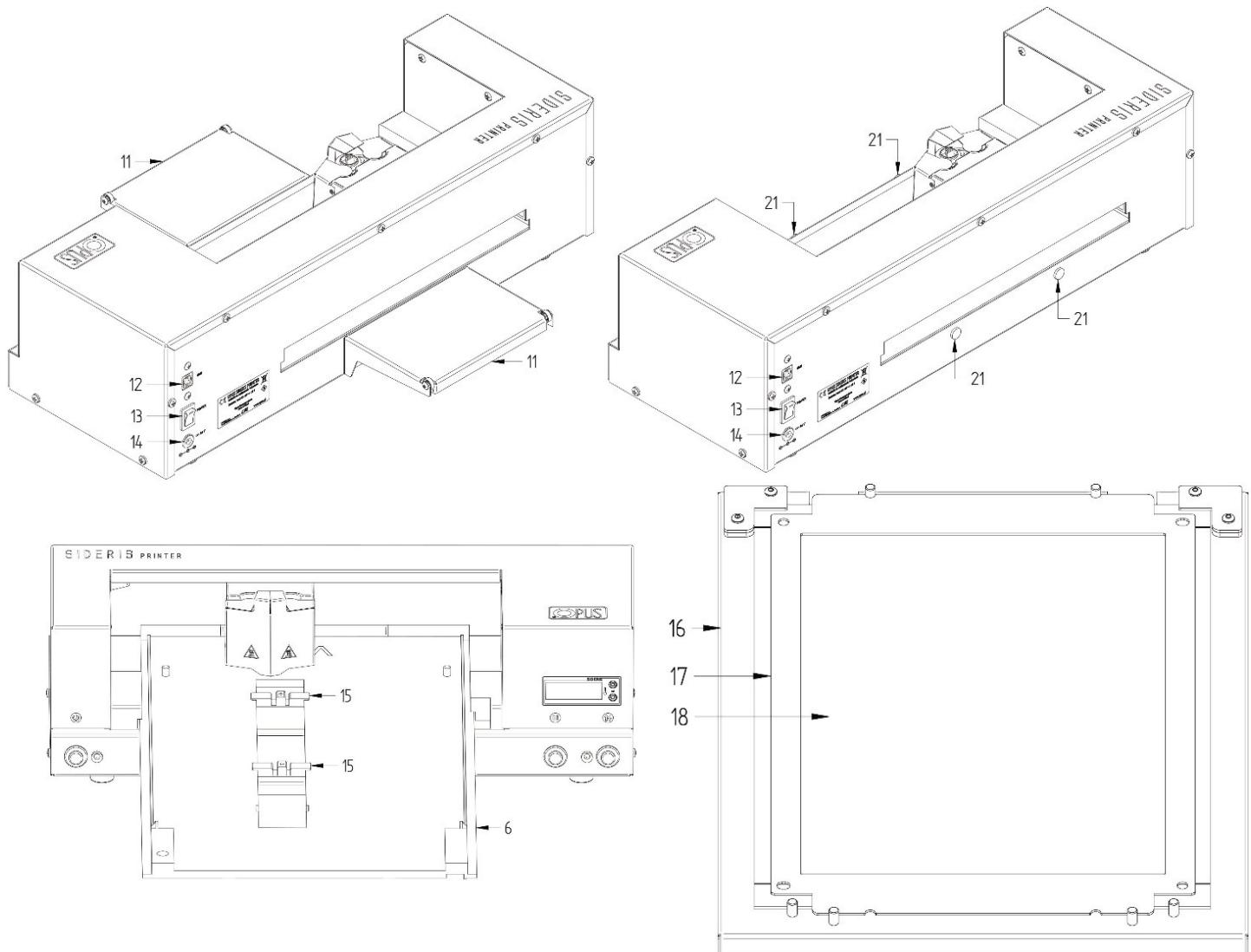
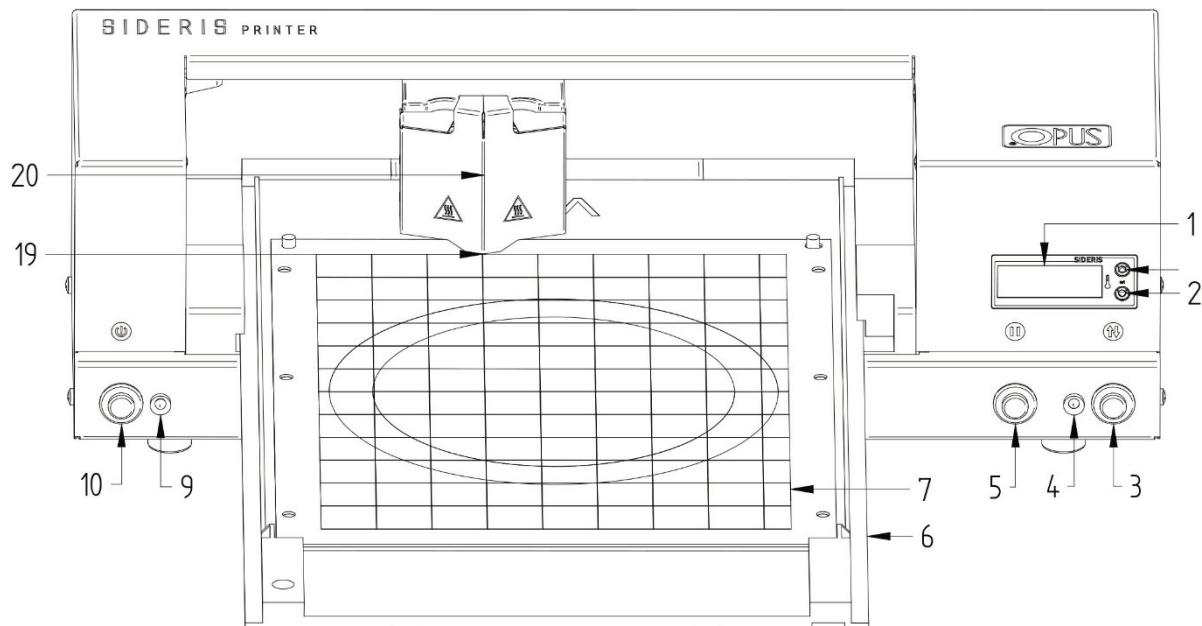
3. SYMBOLS

HEALTH & SAFETY	
	CAUTION! Hot surface
OPERATION	
	Power and standby button
	Pause button
	Work table lock button

4. TRANSPORT AND STORAGE

- The Sideris Printer is electrically powered equipment adapted to work in office conditions. Both the equipment and the packaging should not be exposed to moisture (e.g. rain).
- If the equipment gets wet, cover in water or in a flood, to avoid the risk of electric shock, you must return the device to a service center for inspection.
- The packaging protects the device during transport, but careful handling is recommended.

5. DESCRIPTION OF EQUIPMENT



1. Display
2. Temperature adjustment buttons
3. Work table lock button
4. Plotter operation indicator LED
(pause, release of the work table)
5. Pause button
6. Movable work table
7. Positioning and attachment cover pad
8. Channel slot
9. Plotter ready / temperature indicator
10. Plotters stand by button
11. Work table supports
12. USB socket
13. Main device switch
14. Power socket
15. Channel jigs for printing on channels*
16. Table for changing the foil
17. Foil frame
18. Tray with a set of new foils
19. The printing head
20. Head cover
21. Perturbing supports for work tables

* additional accessories

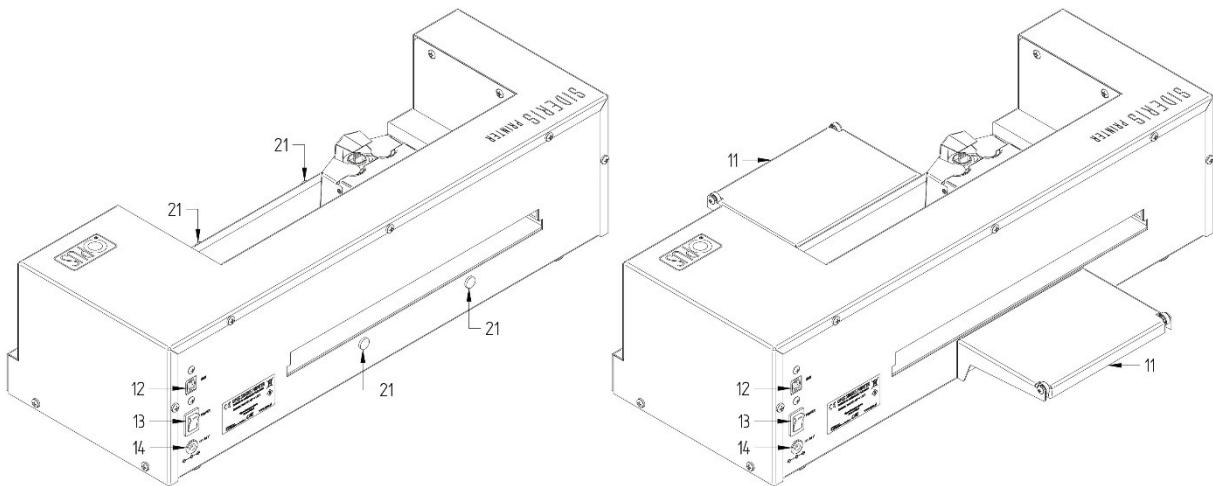
The set includes:

- 1 off: Printer tinsel printing unit.
- 2 off: Work table supports.
- 1 off: A4 work table with cover protecting against sliding cover.
- 2 off: Frame for tinsel print foil.
- 1 off: Table for positioning the foil when sticking on the frame.
- 1 off: 0.9 mm Allen key
- 3 off: Packs of foil, 50 sheets each of: O.Sideris Foil Expert A4+, O.Sideris Foil Effect A4+, O.Sideris Foil Practic A4+,
- 1 off: SILHOUETTE STUDIO software CD.

6. PREPARING THE EQUIPMENT FOR WORK

- The equipment does not require removal of transport safety devices.
- It is recommended to keep the packaging in case of re-transport.
- Sideris Printer is an equipment adapted to work in office conditions.
- Place the equipment on a sufficiently strong, flat and stable surface.
- The device's rubber feet prevent scratching the surface and leave no marks.
- If the equipment has been exposed to negative temperatures, wait several minutes before first connecting it to the network – condensation may form on cold components.

- Install the work tables (11) on the protruding supports (21) on the front and back of the equipment. The slots on the work table (11) should be placed over the supports (21) which protrude from the device and then pressed down to lock them in place.



- Connect the USB cable to the socket on the back of the case (12) and to the computer.
- Connect the power supply to the socket on the back of the housing(14) and to the wall socket.
- For safety of the user and the device, use only a dedicated power supply.

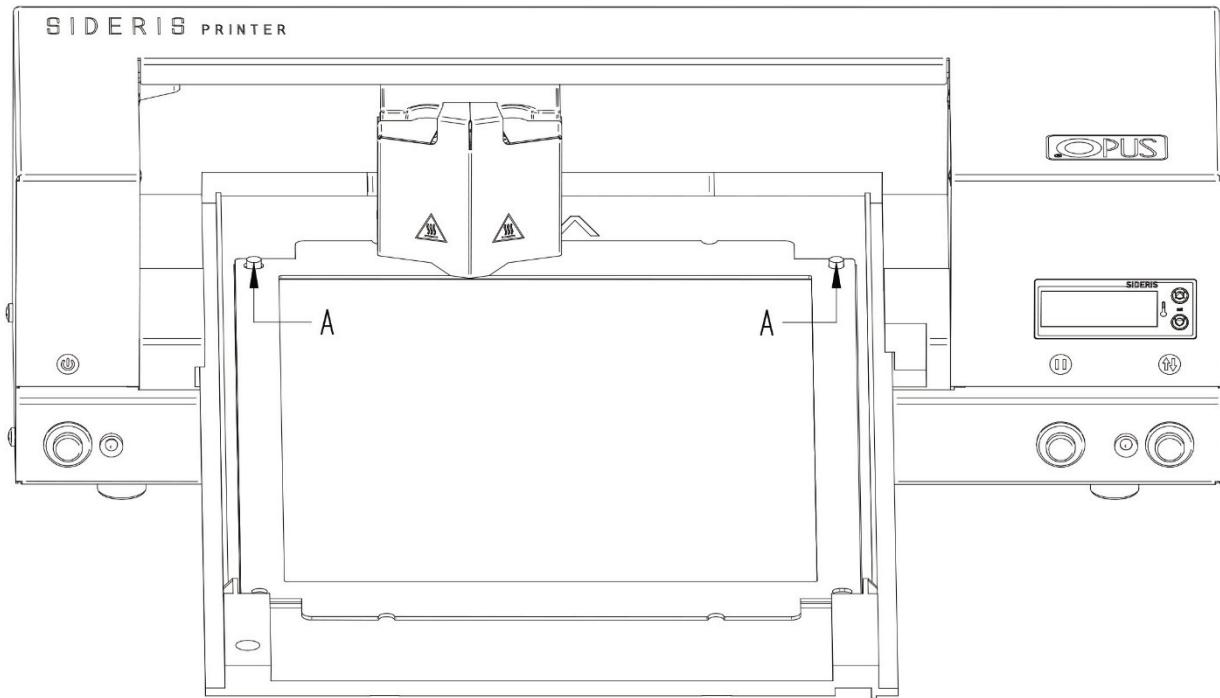
7. OPERATION

- Switch on the equipment with the switch (13). The display(1) will turn on, which will show the currently measuredhead temperature, the heater will start to heat up to the programmed temperature. You can check this value or change it at any time by pressing the buttons (2). The temperature can be set in the range of 80–180°C 176–365 °F with a resolution of 1 °C or 33.8 °F. Temperature units from °Cto °F and vice versa can be changed by turning on the power supply(13) and holding down the temperature increase button.
- Turn on the plotter with the button (10), the indicator (9) will light up red if the head temperature has not reached the set value or green if it has reached it. The plotter will calibrate the position of the trolley with the head and the work table. The device is ready to work.

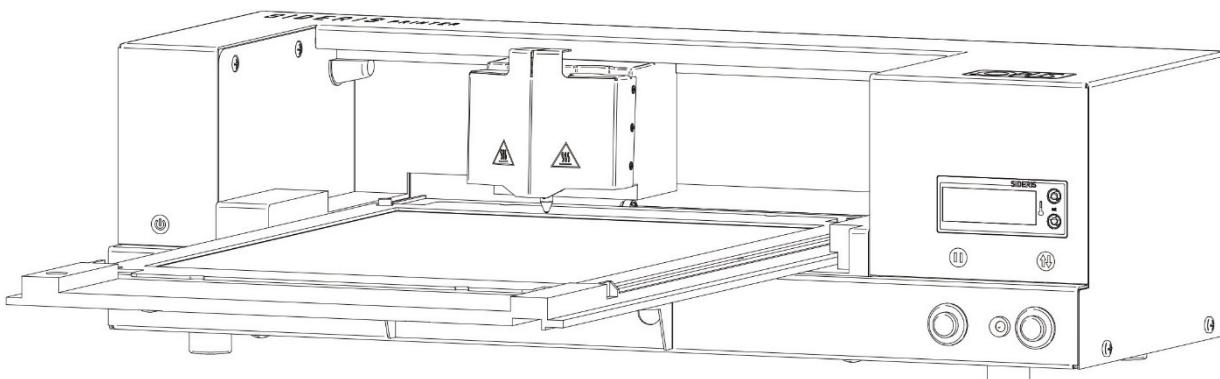
Each press of the control button is confirmed by a beep.

Tinsel print on a Cover

- Press the work table lock button (3), the indicator light (4) flashes red.
- Slide the work table (6) out of the device by hand enoughto have access to the entire table work area.
- Put on the document protection pad (7).



- Place the frame (17) with the tinsel/colored foil on to the two locating pins (A). The frame has 4 holes one on each corner so the frame can be turned completely round, if the design takes up less than 50% of the foil area, to reduce waste for the next tinsel printing.
- Place the cover on the table in the place indicated by the frame.
- Remove the frame (17) and stick the dull side of foil on the sticky tape to hold the foil tight without any wrinkles, then put the frame on to the cover and the locating pins (A)
- Slide the work table (6) into the equipment so that part of the document is under the tinsel printing heater head point.



- Press the work table lock button (3). The device will move to the ready position.
- Then press the "Send" button for Silhouette Studio –the device will start tinsel printing.
- You can stop the tinsel printing at any time with the pause button (5). The indicator (4) flashes green. Pressing the button (5) again and it will resume the tinsel printing operation.

Tinsel printing on the channel

Files with templates that facilitate the preparation of the design for tinsel printing on the channel are available at https://opus.pl/traditional_digital_foiling/sideris/digital_foil_ploters/digital_foil_hot_printing_ploter – sideris_printer.html

The files contain green frames indicating the position of the channel on the working table and the sample text "Test" which can be replaced with new text and/or object.

There is a separate file for each channel width.

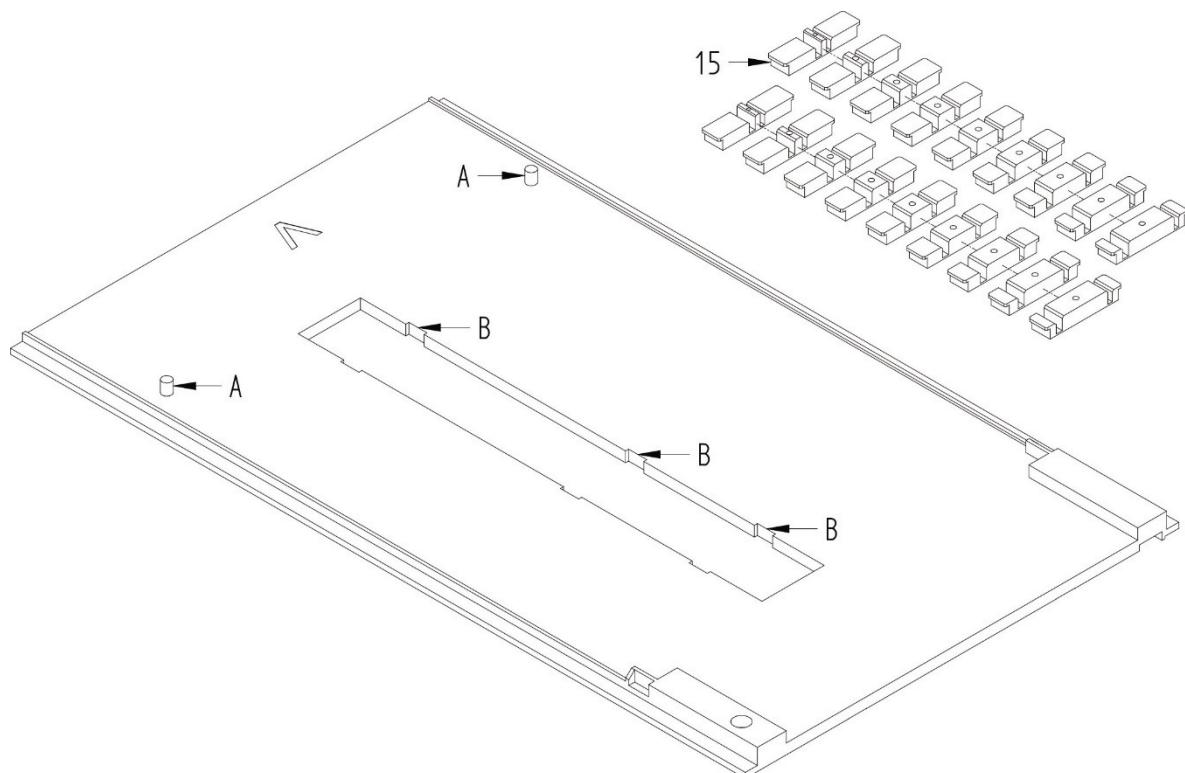
The frames are separated by a dotted line indicating the available area for a 210 mm width channel.

Additionally, the gray dotted line shows the "socket" in the Sideris working table and the vertical axis of the working area for the duct.

All the guides are visible but inactive (they are created on locked layers), which prevents them from being accidentally rearranged, changed, or printed.

These lines can be activated and edited in Silhouette Studio but only with upgraded paid Silhouette Studio Designer Edition version.

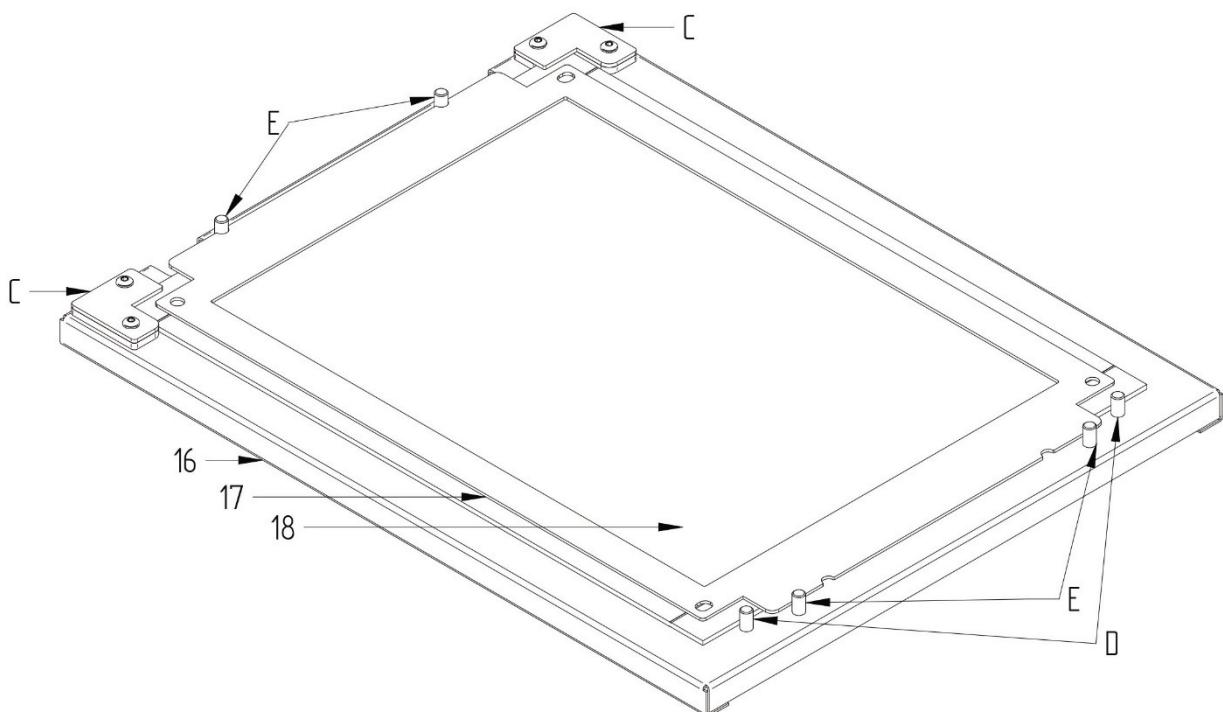
- Press the work table lock button (3), the indicator light (4) flashes red.
- Slide the work table (6) out of the equipment.



- Insert 2 channel jigs of the right size for the channel, (15) in the recesses (B) of the work table, depending on the length of the channel to be tinsel printed, recesses 1 and 2 or 1 and 3 should be used. The jig should be selected according to the size of the channel.

- Place the channels on the jigs.
- Place the frame (17) with the tinsel/colored foil on the two locating pins (A). The frame has 4 holes for the locating pins (A) on the corners. The frame can be turned round completely for the next tinsel printing.
- Slide the work table into the device so that part of the channel is under the rinse tinsel printing head.
- Press the work table lock button (3). The device will move to the ready to tinsel print work position.
- Press the "Send" button for the Silhouette Studio –the equipment starts to tinsel print.
- You can stop the tinsel printing at any time with the pause button (5). The LED(4) flashes green. Pressing the button (5) again and it will resume the tinsel printing operation.

Applying foil to the frame



- Place the tray with the foil kit (18) on the foil changing table (16). The tray should go under the corner retaining lugs (C) and in front of the locating pins (D).
- Place the frame between the locating pins (E) front and back. If this is the first time you use the frame, remove the protective tape from the edge of the frame.
- Press the frame onto the foil shiny side up.
- Lift the frame together with foil and install it in the device.

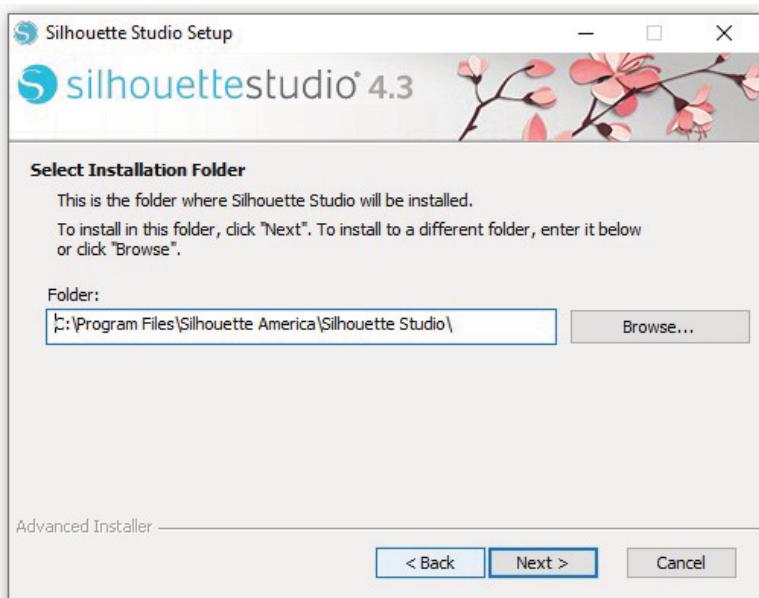
8. INSTALLING THE SOFTWARE

Run the installation, click Silhouette Studio.exe.

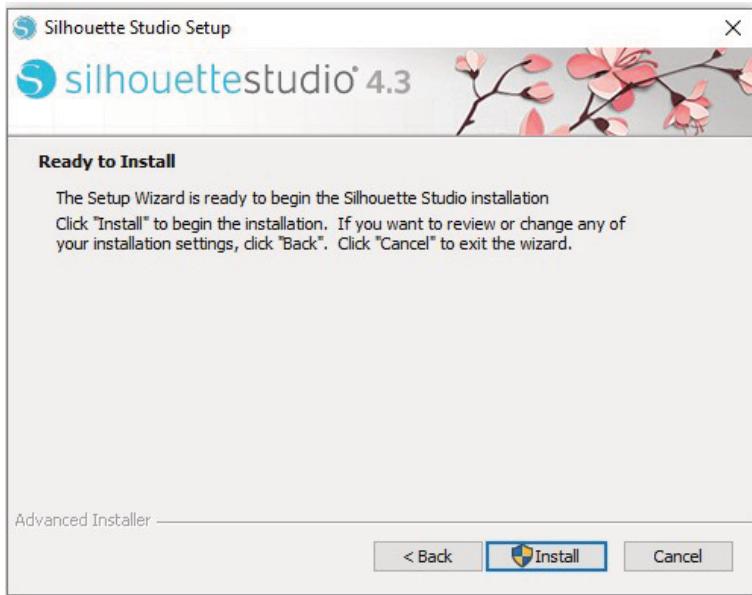
Follow the messages on the computer. Below is an installation example for Windows 10 Pro. Depending of the available software version the graphics layout and sequence of operations may be differ.



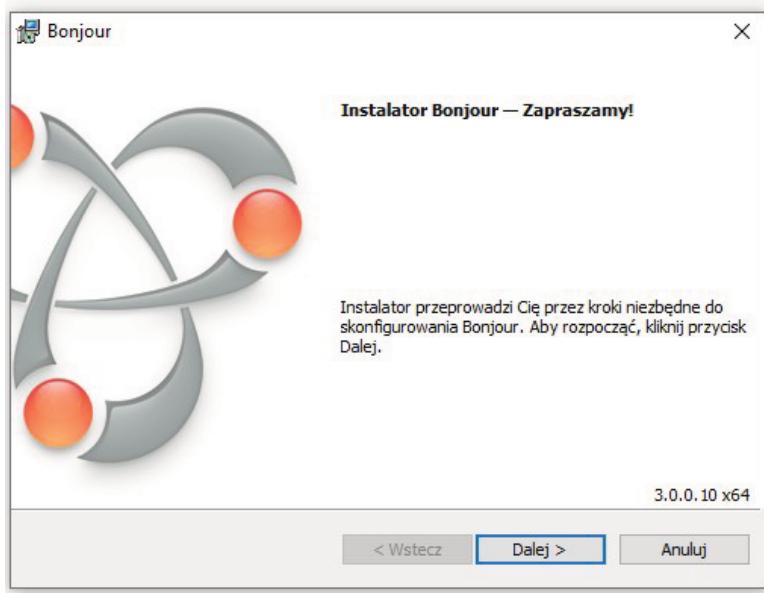
Press the Next button to start the installation.



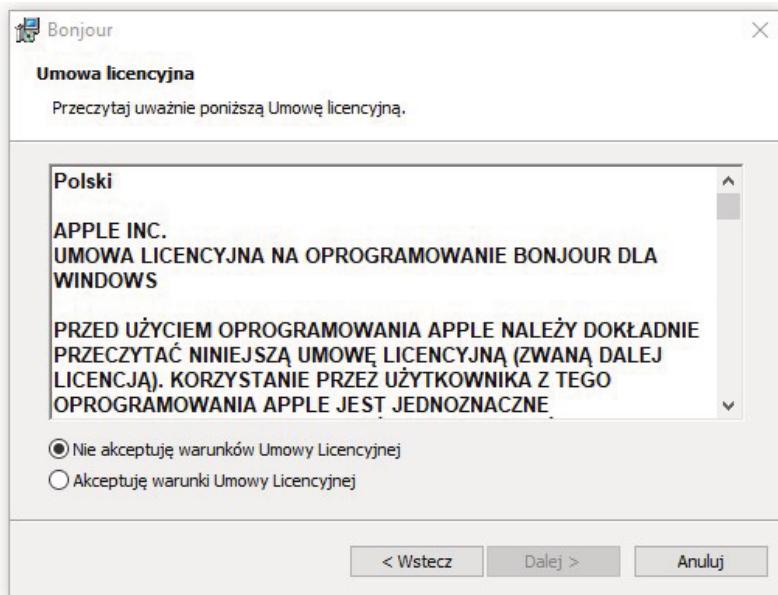
Choose where to install the program on disk. The system indicates the default location, click Browse to select your location or click Next to go to the next stage.



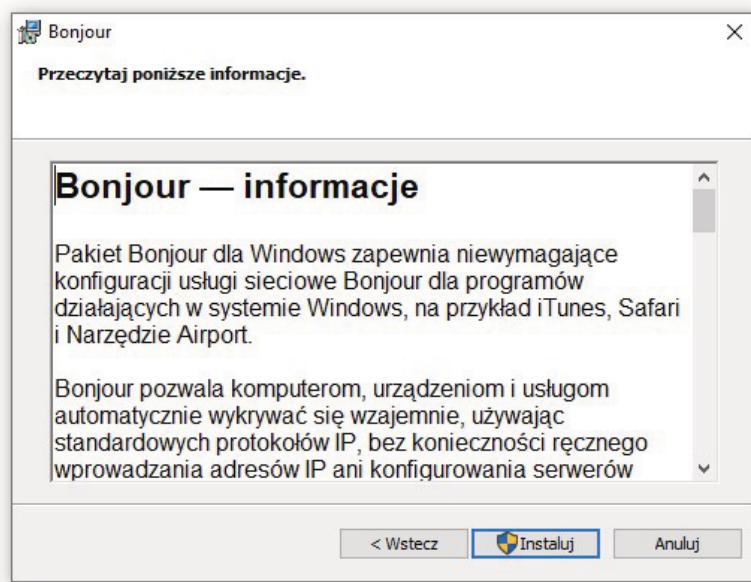
Press the Install button to start the installation.



Press Next to install the BONJOUR software.

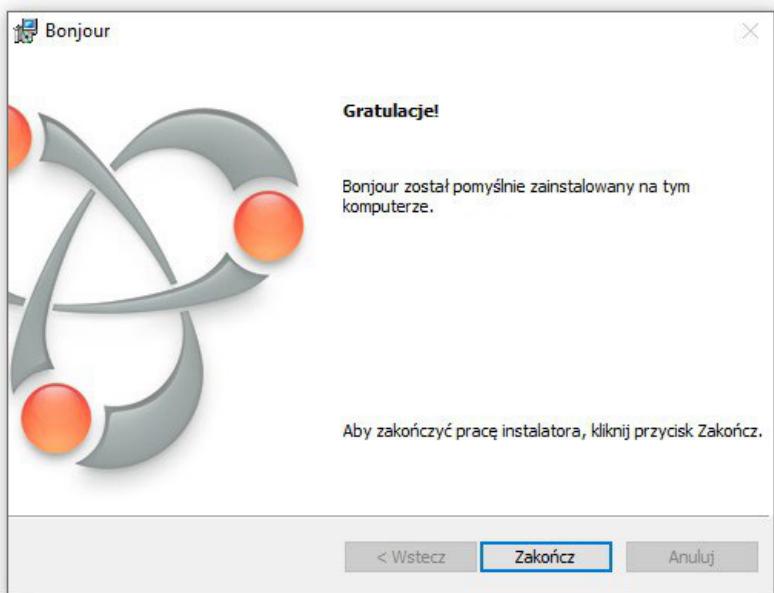


Accept the software license agreement by checking the I accept the terms of the License Agreement box and clicking Next.



Click Install to start the installation.

Press Yes to accept the Windows message: "Do you want to allow this application to make changes to this device".



Click Finish.

If an operating system message appears: "Do you want to allow this application to make changes to this device", double click Yes to proceed.



Press Finish - To complete the installation.



After the installation is completed, you will be asked for automatic updates. We recommend checking for updates and press OK



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System PixScan stworzono zgodnie z amerykańskim patentem nr 9,396,517.

Prosimy zapoznać się również z poniższymi oświadczeniami.

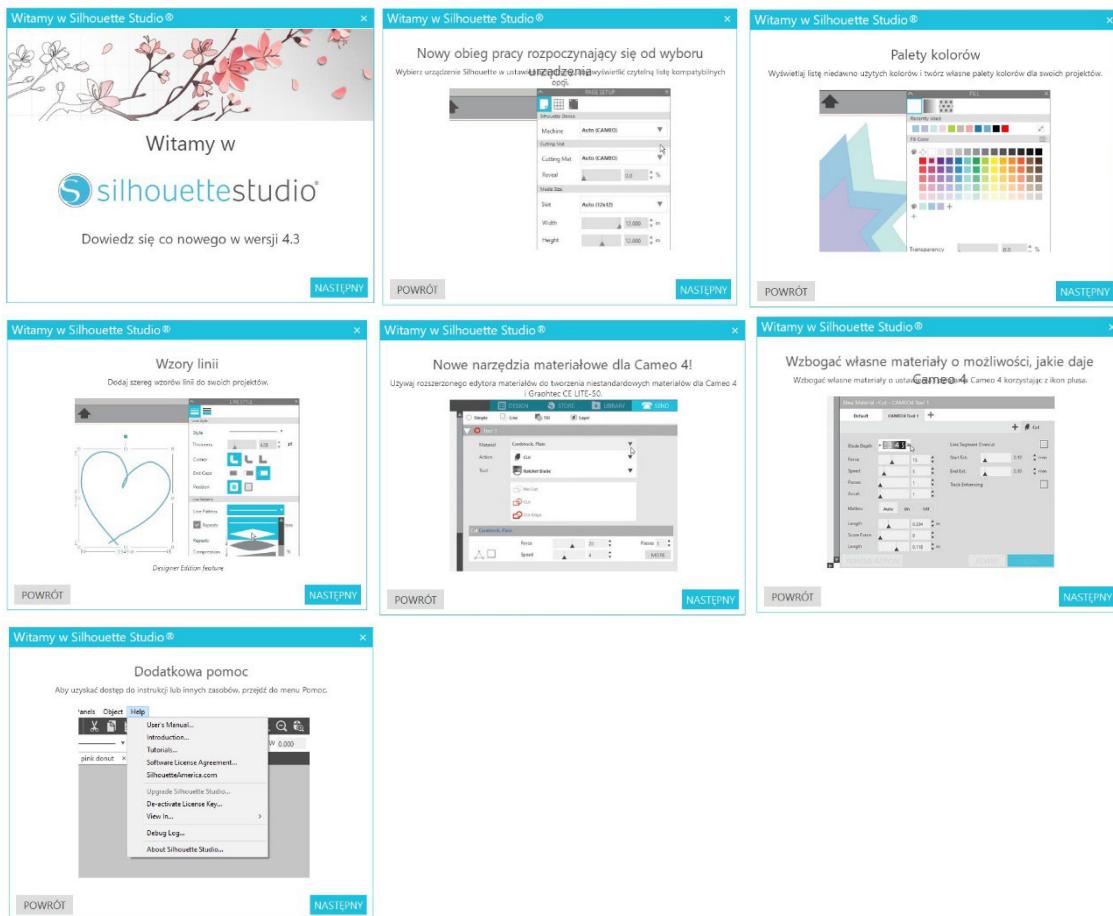
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Silhouette Studio End User License Agreement, read and select the I AGREE option to start using the program.



The program will start with a short guide, press the NEXT button and check out with the following screens.



Thank you for reviewing the new updates.

GET STARTED

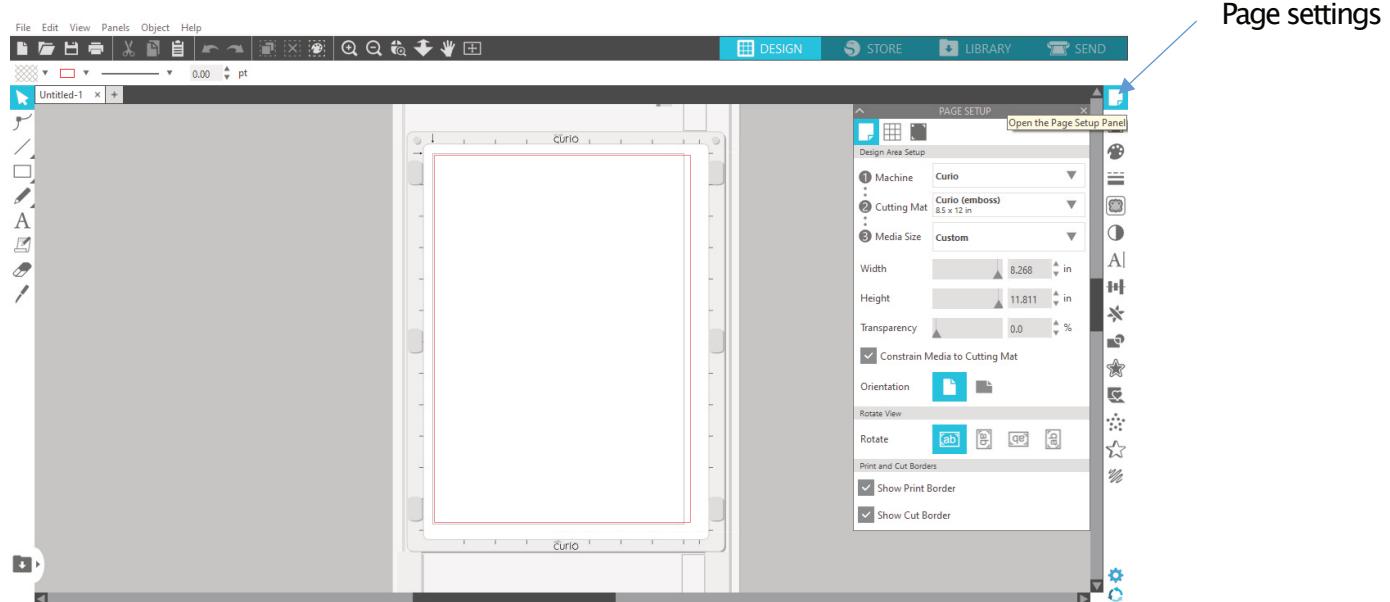
BACK

Click the **START**button to start using the software.

9. SOFTWARE

Basic settings

The following instructions describe the program's operation for the purpose of tinsel/colored foil tinsel printing. A detailed user manual with a description of all Silhouette Studio functions is available in the Help / User Guide tab.



Click the page settings tab.



Select the following settings

Curio equipment

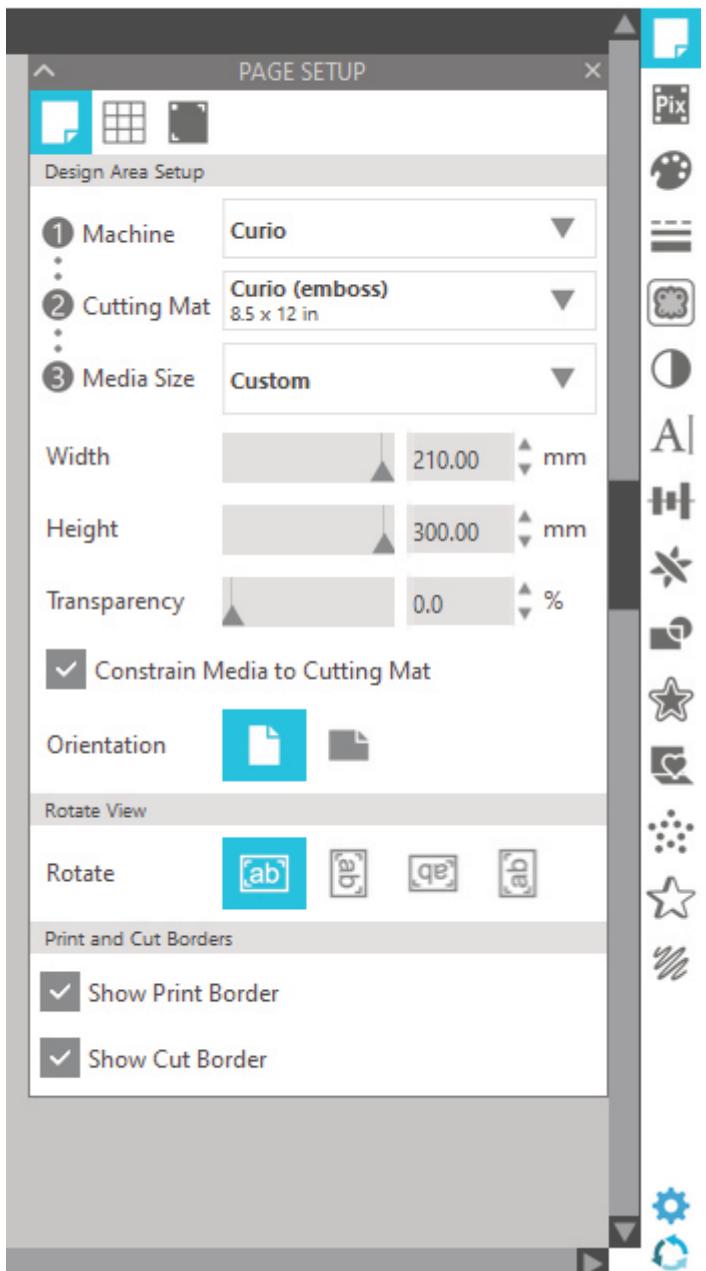
Curio cutting mat (tinsel printing)
21.59 x 30.48 cm

Material size(custom)

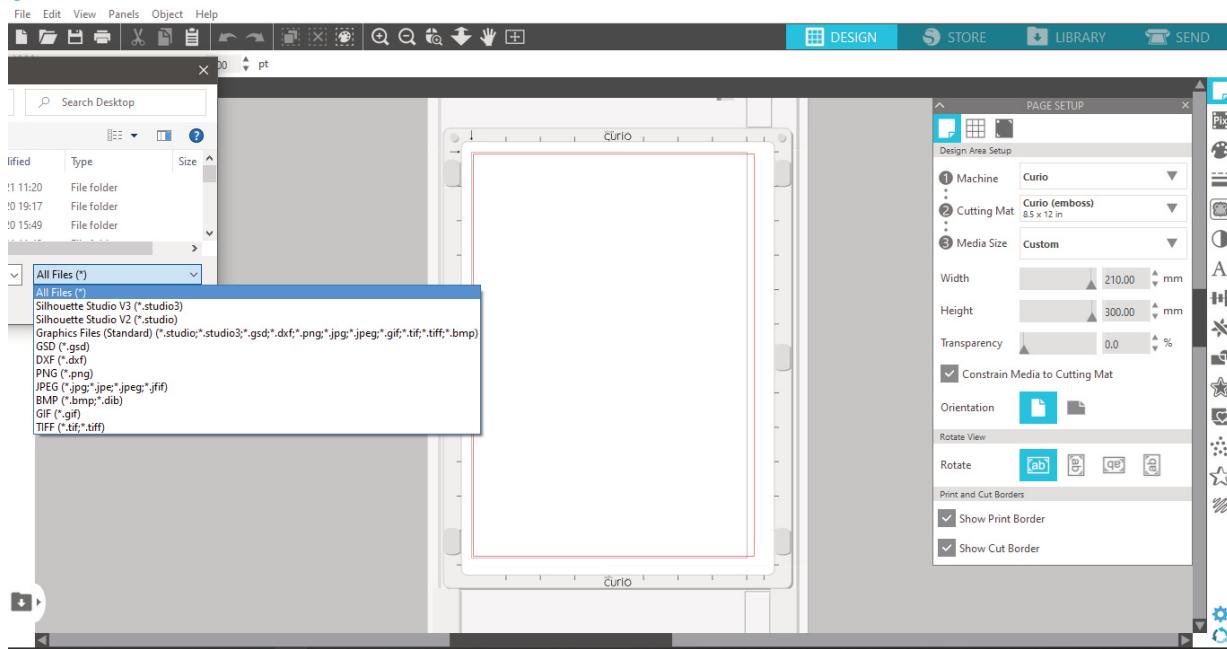
Width: 210 mm, Height: 300 mm

Transparency:0%, orientation: vertical

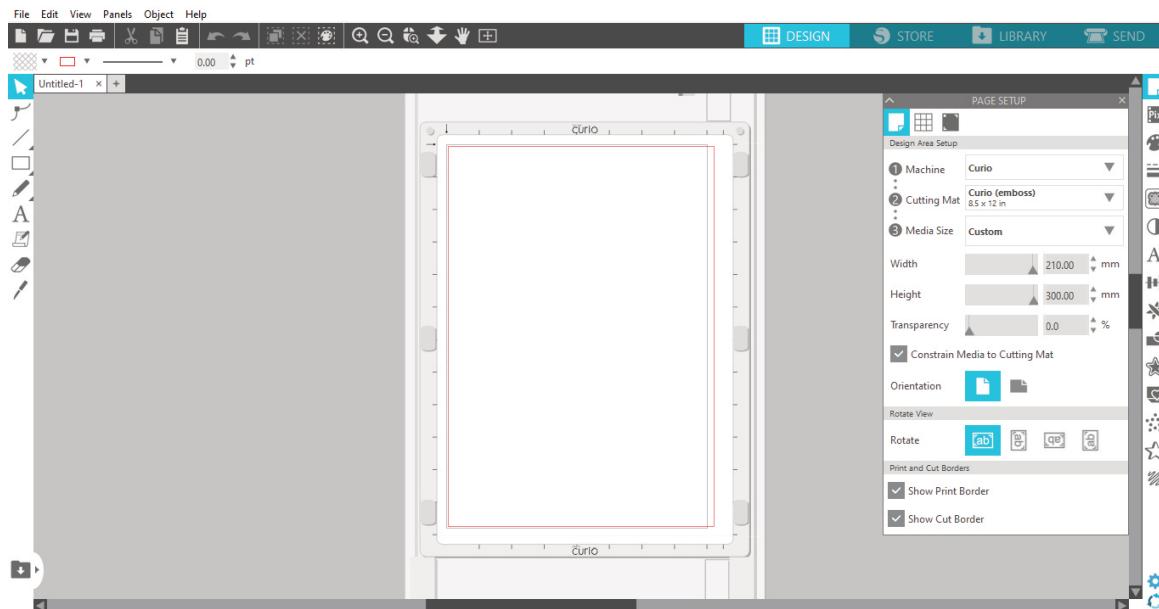
Additionally check the box: show printing limits



Basic program functions:

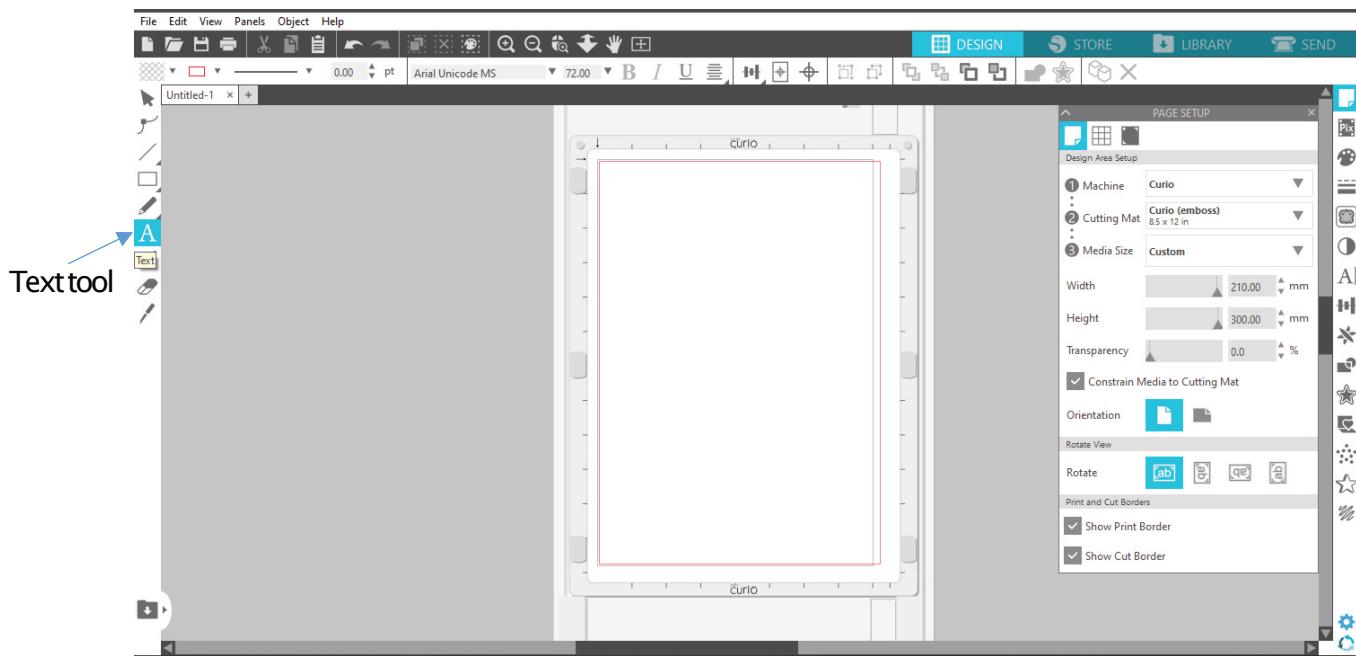


Inserta graphicfile. Click file / open to select the correct file. There are several file formats **GSD, DXF, PNG, JPEG, MBP, GIF, TIFF** which are supported by the program.



Add text / object using tools:

- Edit point
- Line tools
- Drawing tools
- Freehand tools
- Text
- Write graphically
- Erase tool
- Knife



An example of tinsel print based on the inscription SIDERIS.

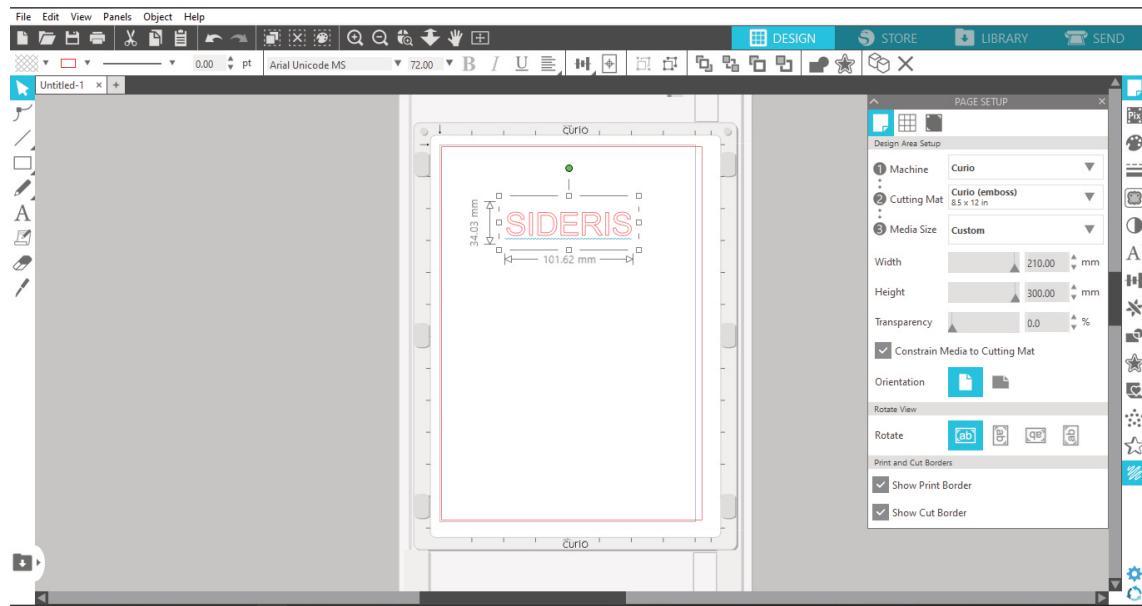
Select the text tool by clicking the text icon letter A, select the place where you want to write and enter the text.

There are also options known from classic programs such as fill, line style, text formatting, etc.

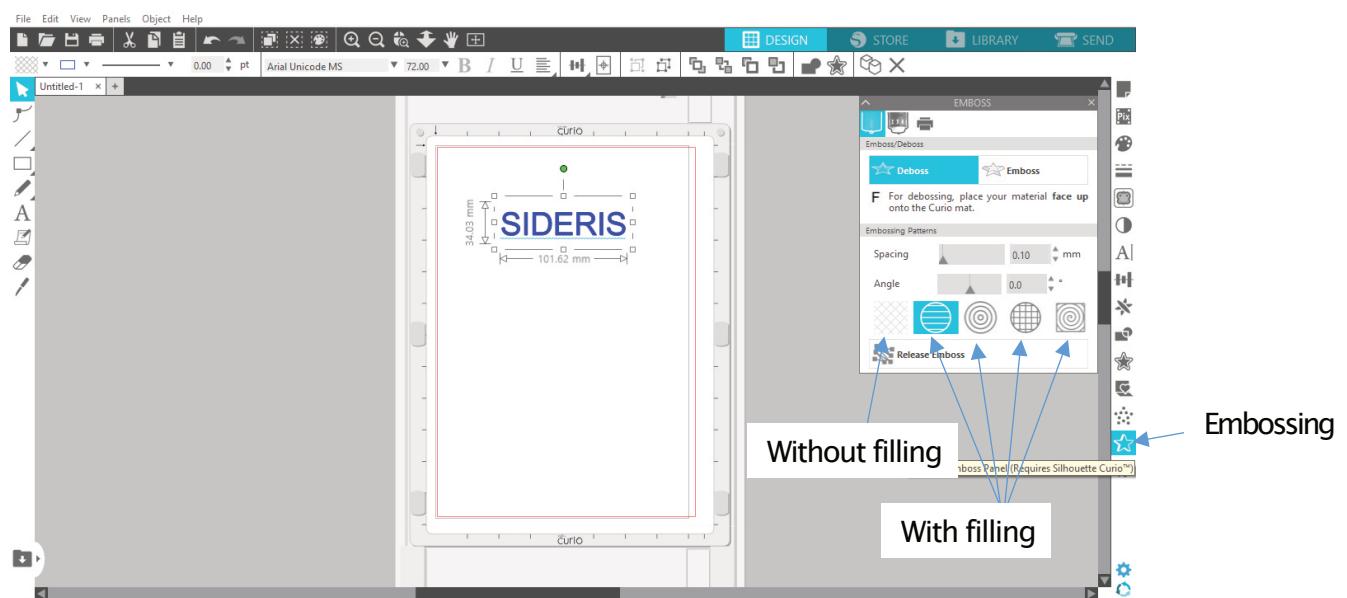
Detailed information on how to use Silhouette Studio is available in the Help / User's Guide.

Tinsel print

An example of tinsel/colored foil print based on the text "SIDERIS".

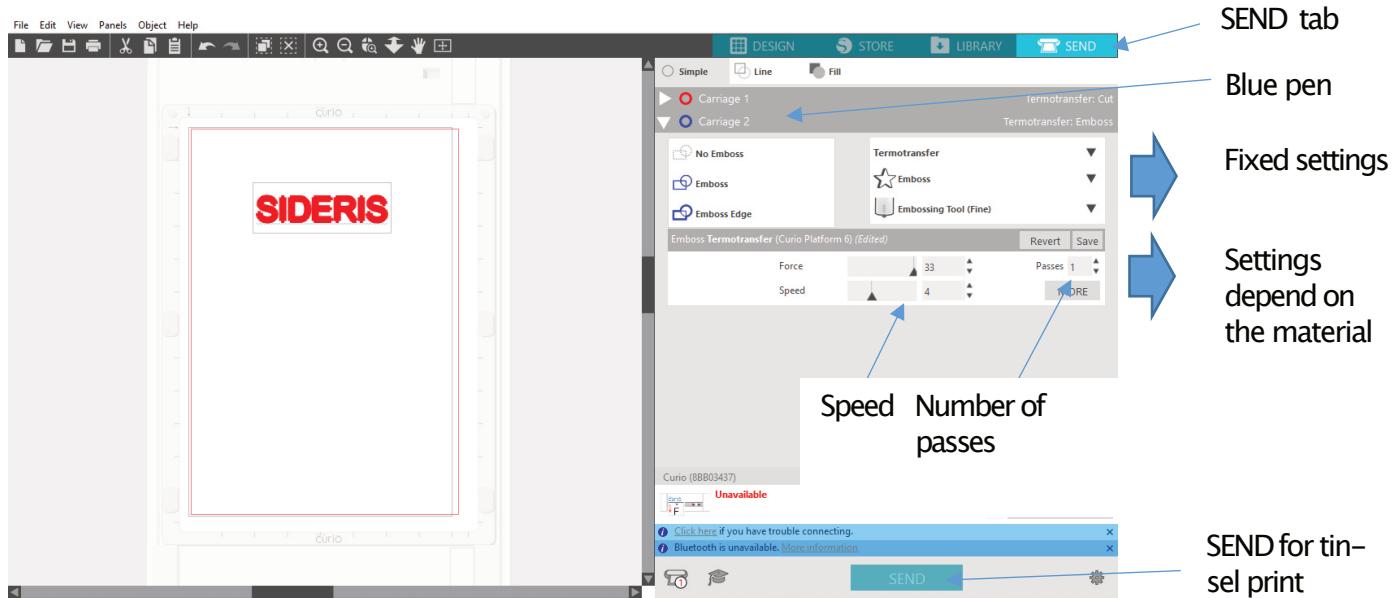


Click on the text to highlight it.



Changing the filling method:

- Click on the tinsel printing tab marked with an star.
- The default option is blank printing.
- By clicking the next icons, you choose the method of filling.
- We recommend linear filling, alignment of the spaces 0.1 mm.



Tinsel/Coloredfoilprint. To perform tinsel/colored foil print, go to the SEND tab and set the action parameter (fixed setting) to tinsel printing – tool for tinsel printing (delicate).

You can also use the programmed material types or add your own material type –enter the name, as in the example "Thermal transfer", set the parameters and save.

Additional settings

Depending on the type of material, you can set the tinsel/colored foil print speed and the number of cycles.

Speed affects the quality of tinsel, however, it should be set as high as possible. If the quality of tinsel/colored foil print is unsatisfactory, the speed should be reduced or the number of cycles increased, then the device will repeat the tinsel printing process again.

The force parameter should be set to the maximum position 33, however, due to the construction of the head, it has no effect on the quality of tinsel printing print. In case of problems with the print quality, you can also adjust the head temperature in addition to the plotter parameters.

Tool selection

Use only tool 2 "blue pen". Selecting tool 1 "red pen" will cause the head to malfunction (it will not press onto the material).

Warning!

In the plotter, a print head with a radius R = 0.75 mm is mounted as standard. Thicker print heads R = 1 mm are also available, which may give better tinsel printing print effects on some materials. To replace the print head, turn off the heating (press and hold the down temperature button the display will show off) or disconnect the power supply from the device and wait for the **PRINT HEAD TO COOLDOWN. DANGER BURN POSSIBILITY**. Then remove the print head cover (20) to get to the print head (19). Use a 0.9 mm Allen key to loosen the retaining screw, remove the print head and insert a new one and tighten the screw again (gently but firm). Replace the cover (20).

After setting all parameters, click the **SEND** button to start printing.

First settings for OPUS covers.

We recommend to start tinsel print from:

Tinsel print with filling:

Speed 4, number of passes 1, temperature 140 °C(284 °F)

We recommend linear filling, alignment of the spaces 0.1 mm.

Tinsel print without filling:

Speed 1, number of passes 1, temperature 150 °C(302 °F)

10. POSSIBLE MALFUNCTION

Problem	Cause	Solution
The display does not show temperature.	The plug-in is not connected to the socket. The power switch on the back cover is not in position 1. No power at the socket. The equipment is damaged.	Connect the plug to the socket. Set the power switch on the back cover to position 1. Connect the equipment to a different socket. Contact with service department.
The equipment does not reach the correct temperature – too low or too high.	Check what temperature has been programmed. The equipment is damaged.	Set the right temperature. Contact with service department.
The tinsel print quality is unsatisfactory.	Check the set parameters: temperature, speed. The material on which you tinsel is dirty or greasy.	Change the operating parameters of the equipment. If possible, clean the material using isopropyl alcohol (note that some materials may leave stains).
ERR appears on the display.	Temperature sensor error – sensor defective.	Contact with service department.

If other problems occur, turn off the device and contact an authorized service center.

11. TECHNICAL DATA

Temperature: 80–180 °C 176–365 °F
 Maximum thickness of the document: 3 mm
 Working surface: 305x219mm
 Dimensions without table: H-45 xW-500xD-382mm
 Dimensions with a working table: H-145xW-500xD-940mm

Power supply

Potter DC24 V
 Power Supply AC100-240V50-60Hz
 Power 30W
 Pressure: 1.6 N
 Net weight 58kg
 Gross weight: 9.7 kg
 Software SILHOUETTE STUDIO
 (compatible with Windows 7 –10(32 and 64 bits) and MAC X 10.6.8 –10.8)



Equipment and products marked with this symbol cannot be disposed together with normal or municipal waste. The user is required to take their used product to a collection point for recycling of waste electrical and electronic equipment. Proper segregation of used equipment reduces the negative impact of hazardous substances that may be in there, in to the environment which could impact, human and wild life health. For more detailed information concerning the disposal of used equipment, please contact your local authority, waste disposal service or the point of sale where you purchased the product. By ensuring proper disposal of equipment we are helping to protect the environment, humanity and wild life health.