TRAY ONE

Sheet feeder for Summa vinyl cutters

User Manual

REV 001

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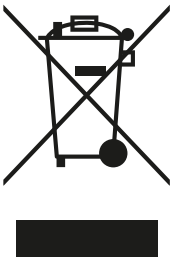
EU Waste Electrical and Electronic Equipment (WEEE) Directive



The symbol (right) is shown on this product. It indicates that the product should not be placed in municipal waste but should be disposed of separately.
Electrical and electronic equipment can contain materials, which are hazardous to the environment and human health, and therefore should be disposed of at a designated waste facility or returned to your retailer for the appropriate recycling to take place.

If you wish to dispose of this product and the product still functions, please consider recycling/reusing it by donating it to a charity shop, selling it or exchange parts of it with your retailer.

Registering Your Device

Please register your cutter on the following link:

http://www.summa.be/registration.html

Contact Information

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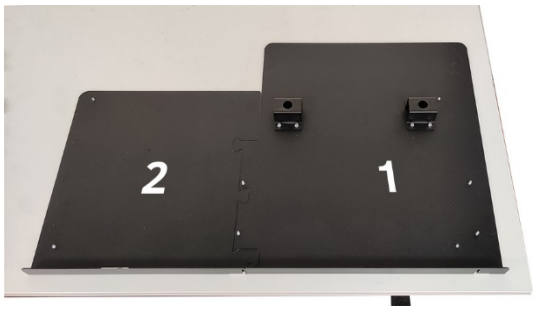
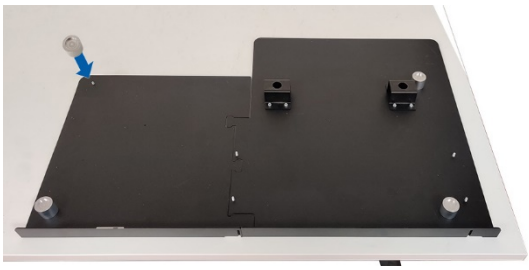
1 SETUP

1.1 Assembling the sheet feeder

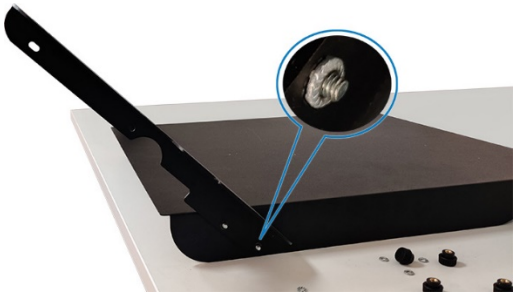
The sheet feeder comes in two boxes. One box is with the parts that are specific for your model of cutter. Before assembling the sheet feeder check if that box is the correct one. This box will be referred to as box 2 in the assembly procedure below.



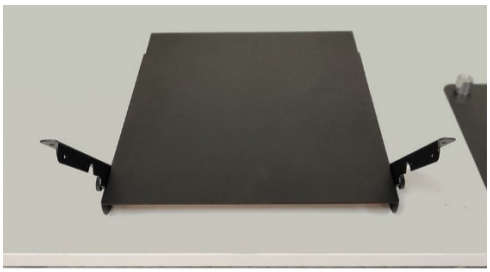
Put the plate from box 1 and from box 2 on the table, they fit like a jigsaw puzzle.



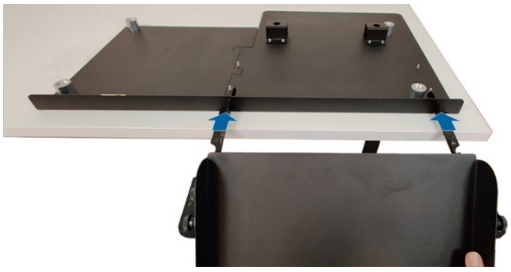
Take the 4 aluminum feet holders an screw them on the plates.



Screw a bracket on the side of the tray with two washers and two large grip knobs. Mind the orientation of the washers (see detail).

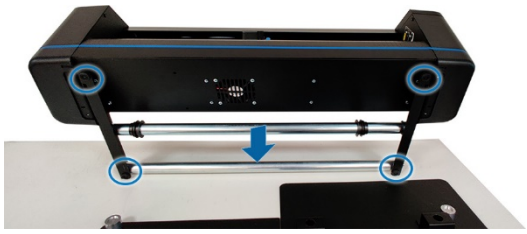


Do the same at the other side.

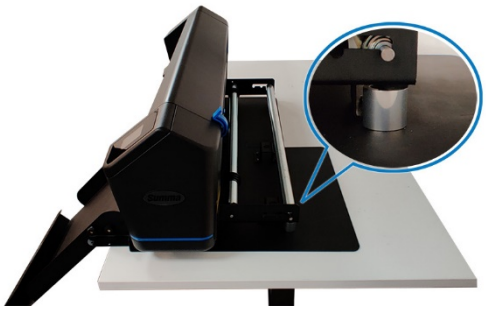


Slide the tray in the slots of the plates

Put the brackets over the threaded pins and secure the with 4 washers and the smaller grip knobs. Mind the orientation of the washers (see detail)



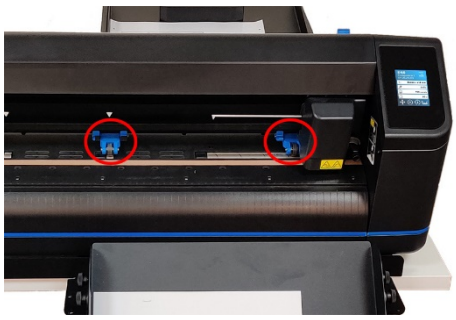
Make sure the rear roll on the cutter is in its most back position. Locate the 4 feet on the cutter. They will fit in the feet holders that just have screwed on the plates in step 2 of this procedure.



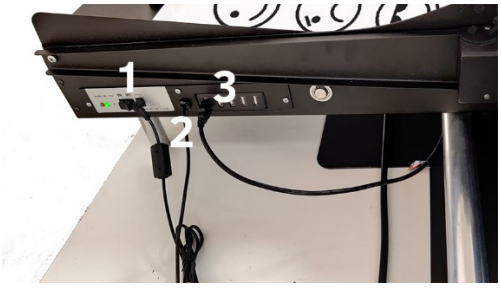
Put the cutter on the plate make sure the feet fit in the feet holders.

Fully assembled.

2 magnetic blocks to hold loaded sheets aligned.



Position pinch rollers (left one fixed, right one adjust to sheet size)



1. Connect adapter (next to sheet feeder ON/OFF switch)
2. USB cable that needs to be connect to computer
3. Cable to cutter USB port.

1.1 Set up computer and connect

1.1.1 Driver installation

The program GoSign is used to drive the sheet feeder and cutter. Install first the program GoSign before connecting the cutter to the computer. During the installation of the program all the necessary files for the drivers will be copied to the computer. The moment the cutter and sheet feeder are connected with the computer, the driver will be correctly installed.

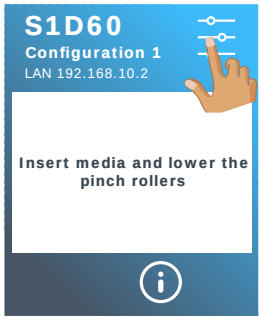
NOTE: The minimum version of GoSign for using the sheet feeder is 2.1. If an earlier version is installed on your computer, then upgrade first.

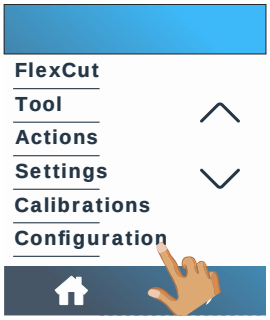
1.1.2 Parameter settings on cutter

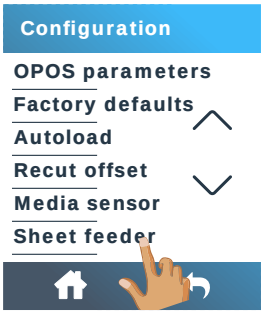
For the S One cutter, the parameter sheet feeder has to be set ON.
For the SummaCut cutter a couple of parameters need to be changed separately.

For the S One

1. Power on machine.



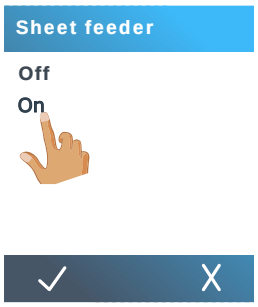


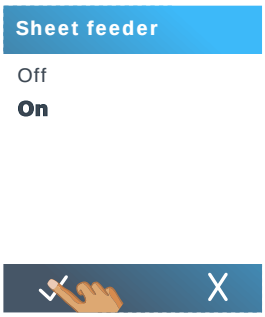


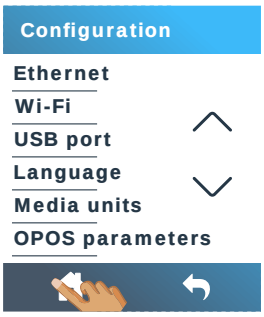
2. Press on the barcode icon.

3. Scroll down with arrow and press on Configuration.

4. Scroll down with arrow and press on Sheet feeder.







5. Press on 'On'.

6. Press confirm.

7. Press on home icon.

For the SummaCut:

1. Power on the cutter (see section 1.4.3).
2. Press MENU.
   'KNIFE PRESSURE' will appear on the LCD.
3. Press ^.
   'SYSTEM SETUP' will appear on the LCD.
4. Press ENTER.
   'ACTIONS' will appear on the LCD.
5. Use ^ or v to scroll through the menu until 'Configuration' is reached. Press ENTER.
   'IP CONFIG' will appear on the LCD.
6. Use ^ or v to scroll through the menu until 'AUTOLOAD' is reached. Press ENTER.
   The value of the chosen parameter will appear on the LCD.
7. Press < or > to change the value to 'OFF'.
   'OFF' will appear on the LCD.
8. Press ENTER to confirm.
   An asterisk will appear before OFF, indicating it is now the selected setting.
9. Press ENTER to confirm.
   'IP CONFIG' will appear on the LCD.
10. Use ^ or v to scroll through the menu until 'MEDIA SENSOR' is reached. Press ENTER
    The value of the chosen parameter will appear on the LCD.
11. Press < or > to change the value to 'OFF'.
    'OFF' will appear on the LCD.
12. Press ENTER to confirm.
    An asterisk will appear before OFF, indicating it is now the selected setting.
13. Press ENTER to confirm.
14. Press EXIT twice to leave the menu.

2 USAGE

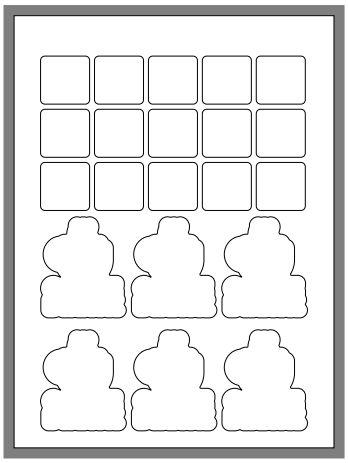
2.1 Preparing the job in your design software

2.1.1 General

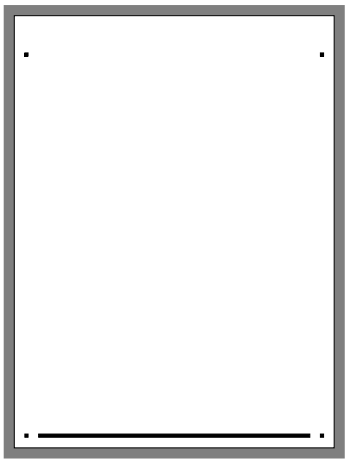
The sheet feeder is driven by GoSign. GoSign can import pdf files created by programs like Adobe Illustrator or CorelDRAW.
It is highly recommended to use layers when designing the job in your program. One layer contains the design that needs to be printed and another layer will have the cut lines in them. The registration marks needed for the cutter to be able to read the position of the printed design are best put on a third layer.
You can either work with a template with registration marks or use the GoSign plug-in from Summa for Illustrator or CorelDRAW to add the registration marks.
The layer with the print data and the layer with the registration marks is then printed, the layer with the cut data and the registration marks is then send to the program GoSign. Either by exporting them to a pdf file, or by using the GoSign plug-in.
When a template is created with registration marks then make sure the marks should be 3mm in size and put at equal distance in both direction (X and Y).

Below a sample of how the job is built up.

Layer with print data



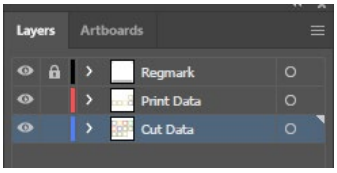
Layer with cut data

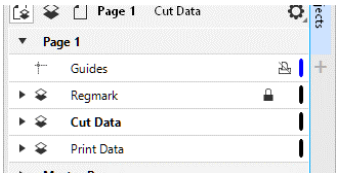


Layer with registration marks

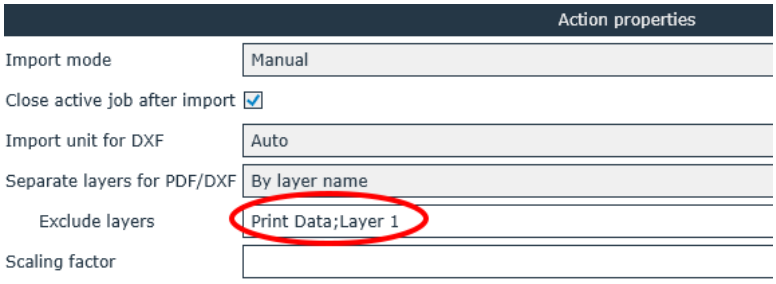
The grey border is just a way of marking the page size.
The line at the bottom in the registration mark layer is there because the marks were created with the plug-in for Illustrator or CorelDRAW that Summa provides.
The two outer layers are printed, the middle and right layer are converted into a pdf file for the program GoSign (if the plug-in to open the file direct from Illustrator or CorelDRAW).

NOTE: Recommended layer names are:
Print Data for the layer with the print data.
Regmark for the layer with the registration marks on them



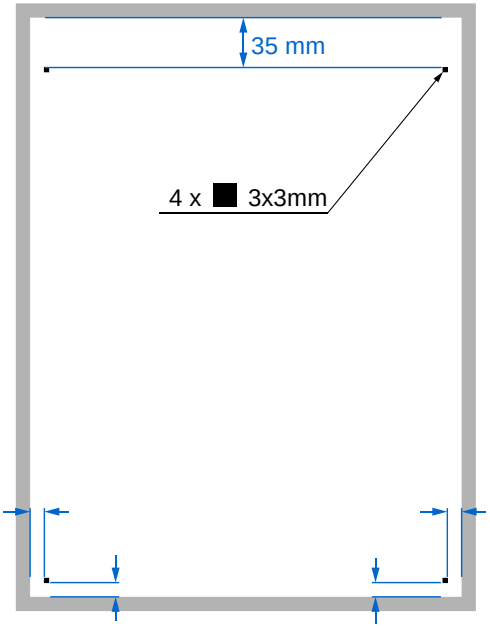


NOTE: If the layer name of the layer with the print data is always the same, then there is a setting in GoSign to ignore the data from this layer. This makes it unnecessary to disable the layer before exporting.



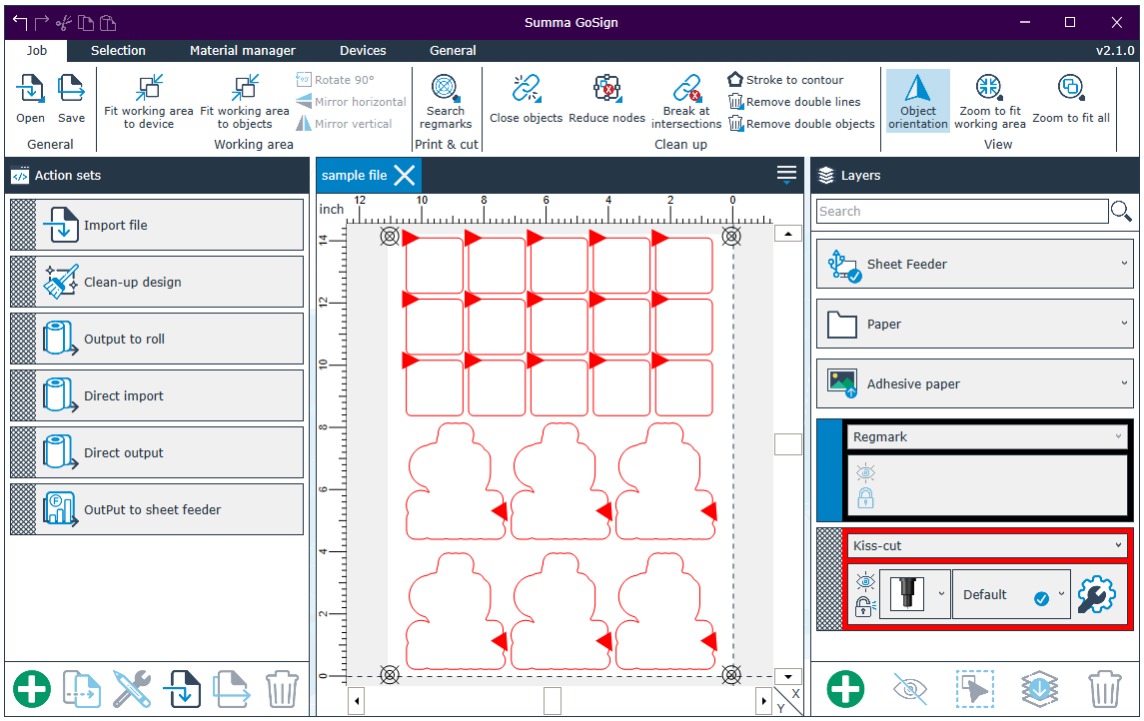
2.1.2 Making template if plug-in is not available for your design software

A template can be made if the plug-in is not used. Easiest is to make a template with the marks as far outward as possible so that he maximum space of the sheet can be used. When making this template, please take in account the margin settings in your printer driver and/or the limitations of the printer. Best way is to make a template, print that blank template out. Measure the distances between the marks and the sheet edges and adjust the template if needed.
The minimum distances between the marks and edges of the sheets are 10mm at both sides and at the bottom. The minimum distance ate the top of the sheet need to be 35mm.



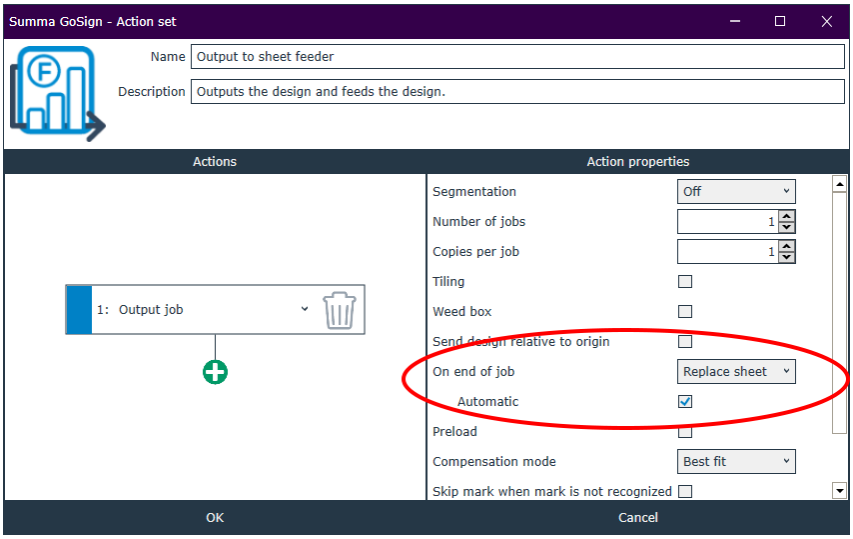
2.2 Output the job

When a job is opened in GoSign then everything is normally set ready for output.

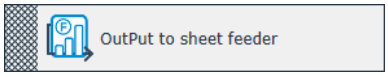


In the sample above a separate action, set has been made for output to the cutter with the sheet feeder installed. If there is no special action set made, then you will have to change the setting for usage with a sheet feeder each time data is sent to the cutter.

To make a special action set for the sheet feeder make sure these parameters are set like in the figure below.

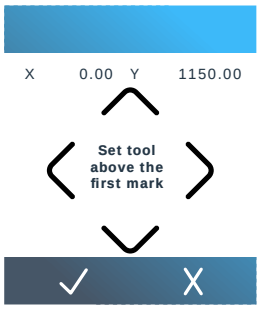


Click on the output action to send the cut file to the sheet feeder.

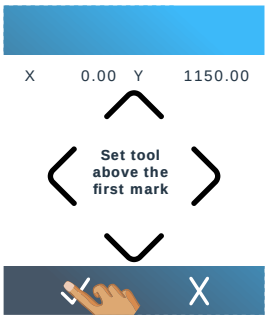


The cutter will load the first sheet and prompt the user to put the tool above the first registration mark.

For S one:



Use the arrow keys to set the tool above first mark.



Pres to confirm.

For SummaCut:

Use , , and to set the tool above first mark.

Press to confirm.

The cutter will read the marks and cut the first job.
When the job is done, the sheet will be ejected into the tray. The cutter will take the next sheet and move automatically above the first mark, read all the registration marks and cut the job.

This will continue un till all the sheets are cut, or when the number of copies, if it is fille din in GoSign , is reached.

2.3 Using a rip instead of a standard printer driver

When a rip is used, then the registration marks can be set by the rip and the file with cut data will be a typical cut file with DMPL or HPGL data in it. In this case the pro Pack for GoSign will have to be purchased since the standard version of GoSign cannot import DMPL, DMP, HPGL or HPG files.