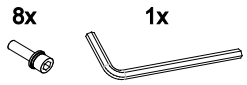
Roll up system

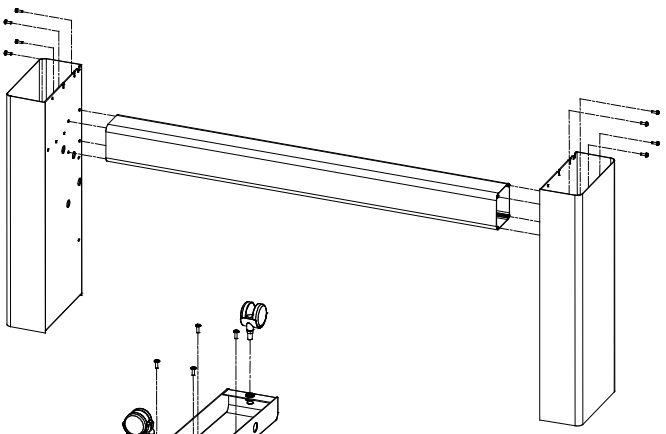
Installation Guide

INSTALLATION

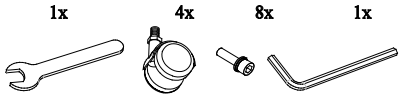
If the roll up system is mounted on an existing cutter, then remove the cutter body from the stand, loosen the basket in the middle and jump to step 4 in the next procedure.

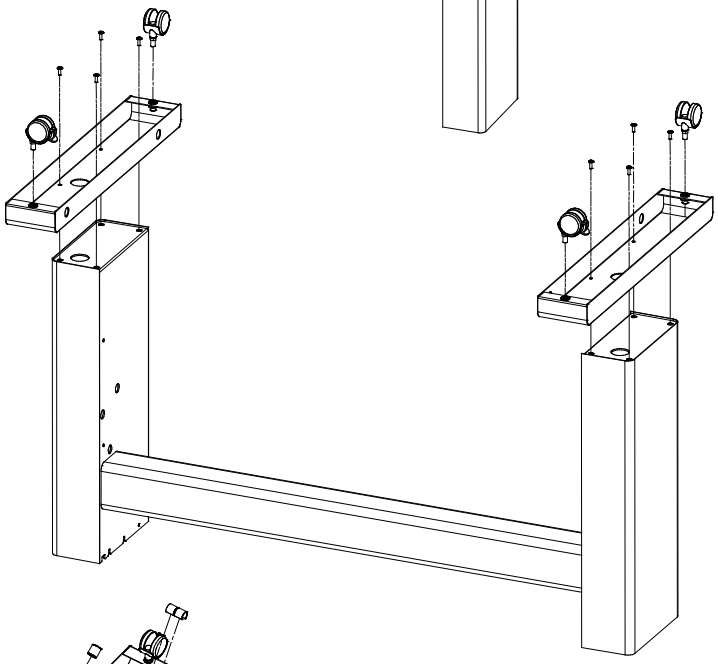
1. Mount the horizontal panel between the two legs of the stand.



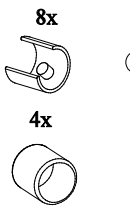


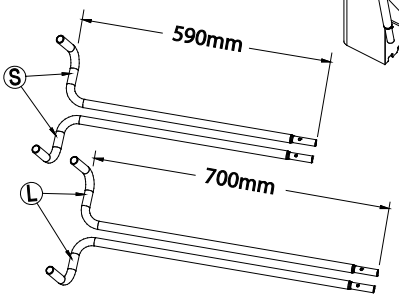
2. Turn the stand upside down and mount the 2 feet and 4 casters.

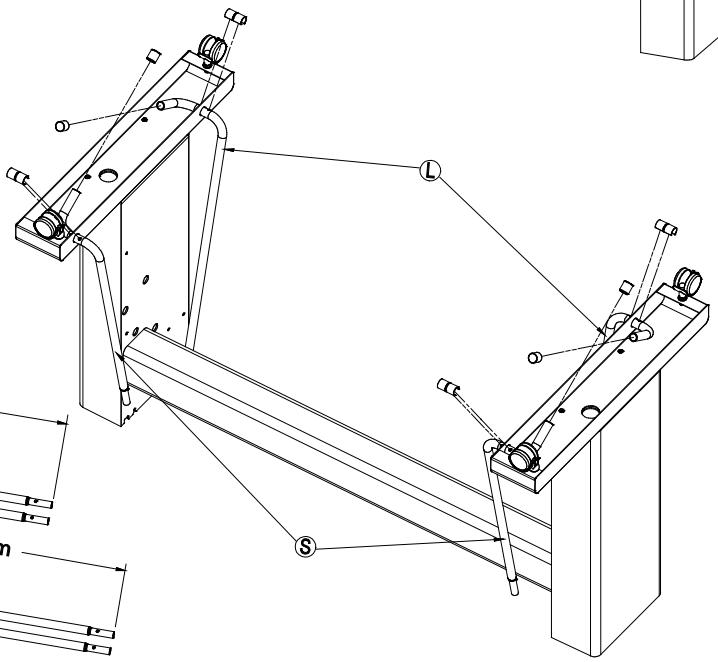




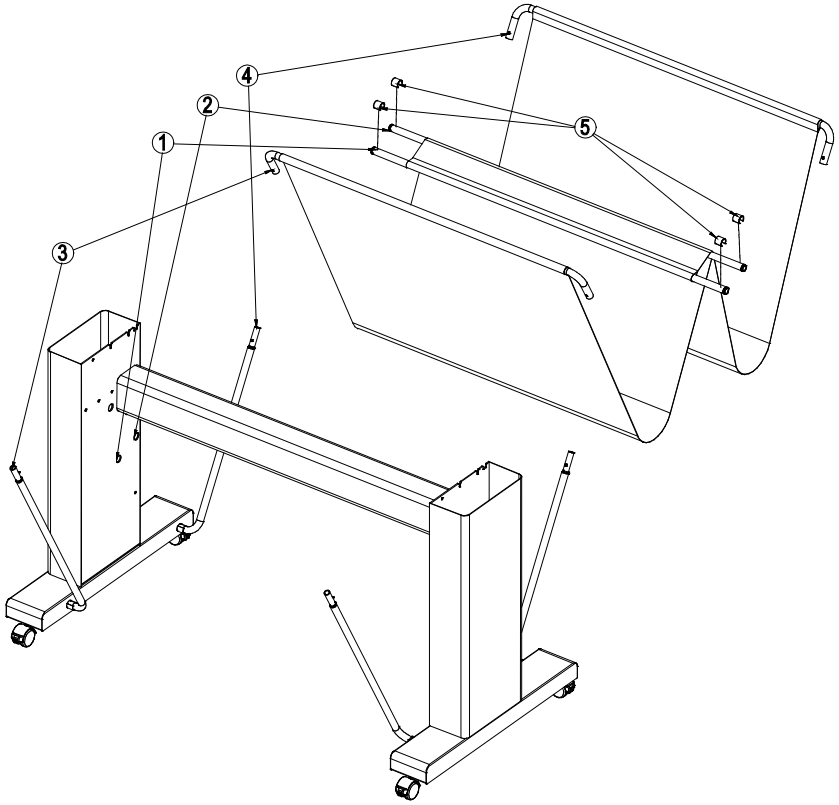
3. Mount left and right the tubes for the basket. The two shorter tubes are at the same side of the horizontal panel.



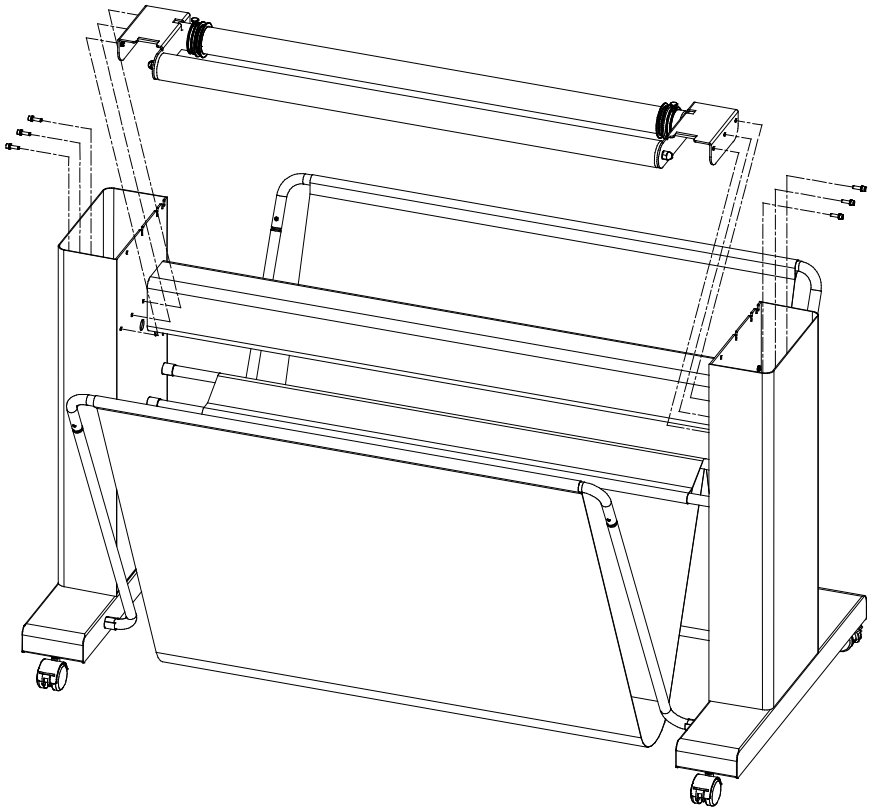




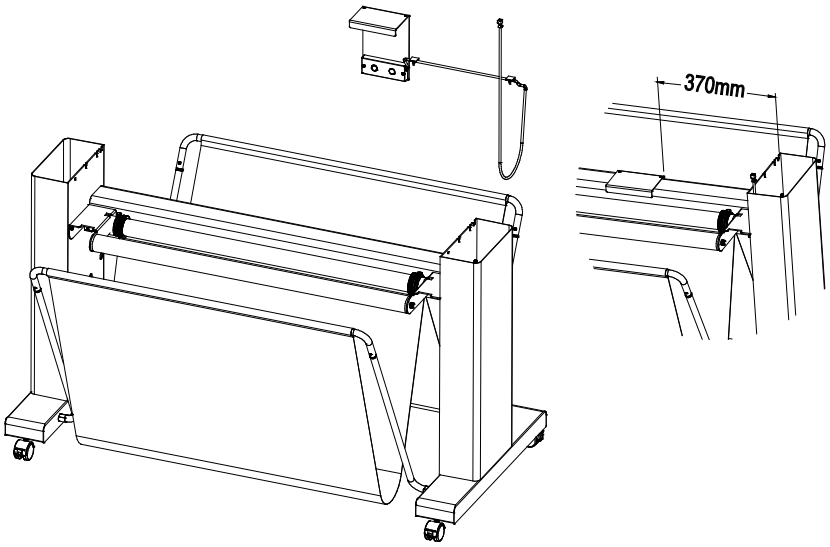
4. Mount basket, use long shaft from stand and from roll-up system.



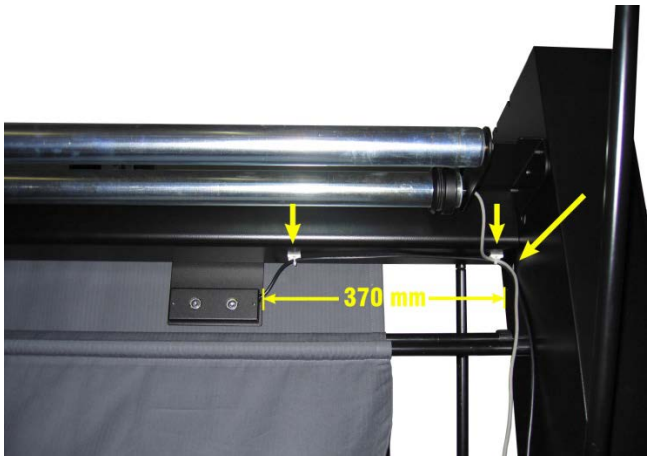
5. Mount Roll-up system.



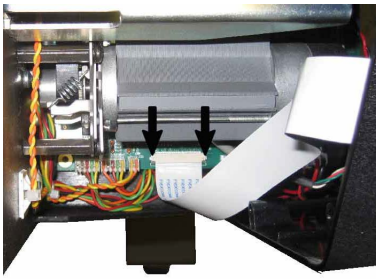
6. Remove protective paper from tape and mount sensor roll-up system 370mm from the side.



7. Fix cables to the horizontal bar with cable tie feet and cable ties. Then guide the cables through the hole in the stand and put cable protection over it.

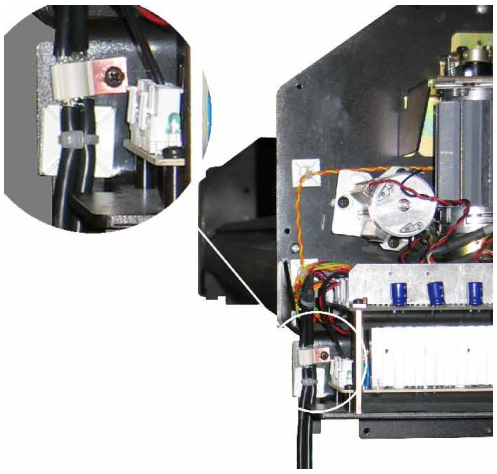


8. Remove the 5 screws holding the left-hand cover in place. Three are located at the front, one at the rear and one just above the USB connection. Pay close attention to where each of the screws goes. They should be returned to their original location when re-installed. Gently tap the top of the cover, lift it and slide outwards.



WARNING: The touch screen is built in in the cover. It is connected with a flat cable to the main board. Before removing the cover locate the flat cable and disconnect. Do this by opening the cover first for app 2cm (3/4 inch) and look inside. This can be done by sliding the cover halfway to the right and then disconnect the flatcable from the printed circuit board. On both sides of the connector there is a small protuberance that you can pry using a screwdriver. Gently pull the flat cable out of the connector!

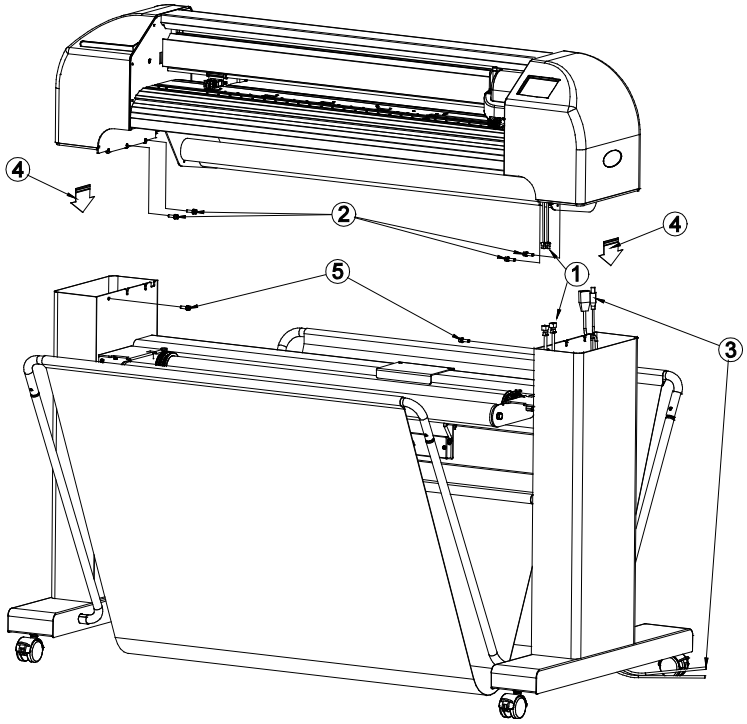
9. Install the extra cable as shown on the picture. Fix to sideplate with clamp and screw and cable tie. Then put connect into the socket right next to the flatcable connector.



10. To re-install the side cover, proceed in the reverse order of removal. Make sure to firmly tighten all screws.

WARNING: Make sure that you do not jam any wires between the cover and the side plate as this will cause irreversibly damage to your cutter.

11. Proceed in the order as described in picture to mount the cutter on the stand



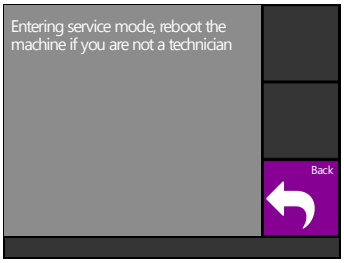
12. Loosen the cutting head. Raise pinch wheel to remove the protection strip from underneath the pinch roller assemblies. Refer to quick start or complete manual for connecting and loading.

NOTE:
Minimum revision for the Roll up system:
For the S Class 2 revision 006 (revision 007 or higher if available).
For the S Class revision 35 (revision 38 or higher is preferred if available).

Setup

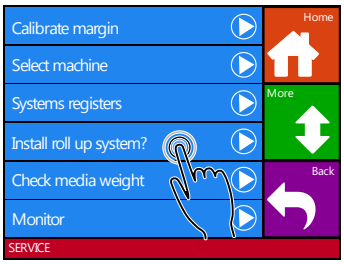
activating roll-up option on a S Class 2

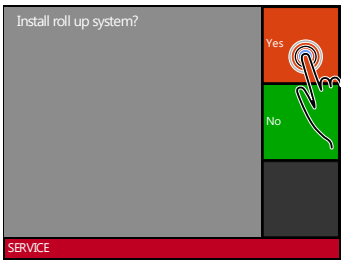
The cutter will not boot but show a message to ensure this mode is not entered by accident.



1.Switch on the cutter while pressing in the upper left corner of the touch screen.

2.Press on Back



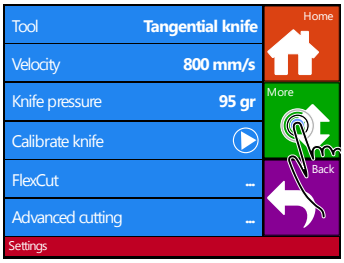


3.Press on service to enter service menu.

4.Press on Install roll up system?.

5.Press on Yes wait until cutter is ready.

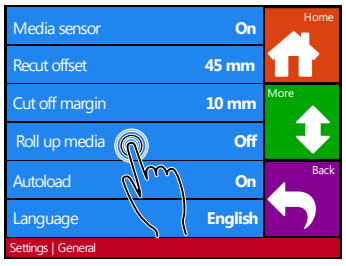
6.Reboot the cutter.

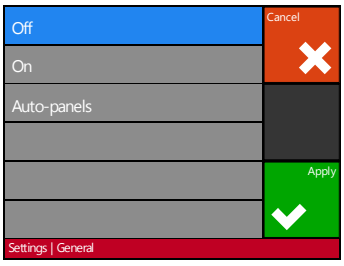


7.Press on settings.

Press on more

8.Press on General





On: *media is rolled up after each job (a panel is also considered as a complete job).*

Auto-panels: *The cutter automatically divides the job into panels of 1meter and rolls up after each panel.*

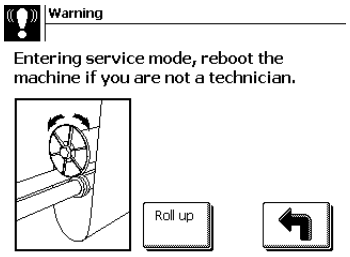
9.Press on roll up media.

10. Choose roll up method.

NOTE: Do not use paneling in the software if paneling is used in the cutter and vice versa. Some software do not send the correct end of job command after each panel, if this is the case, then only internal paneling can be used for activating the roll up option.

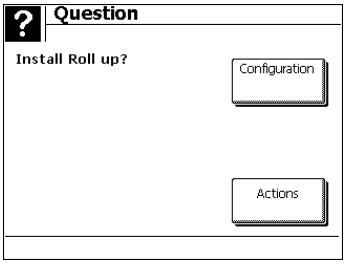
activating roll-up option on a S Class

The cutter will not boot but show a message to ensure this mode is not entered by accident.



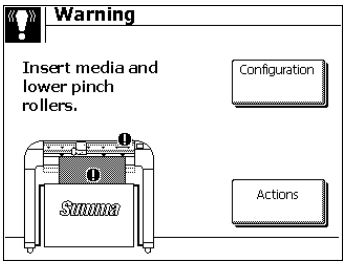
1.Switch on the cutter while pressing on the touch screen under the 'S' from Summa.

2.Press on Roll up system

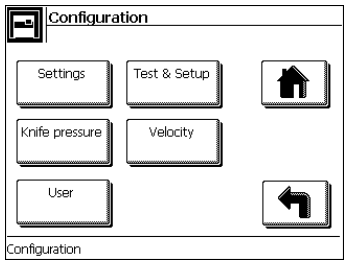


3.Press on Yes, wait until cutter is ready.

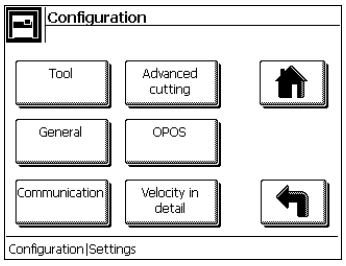
4. Reboot



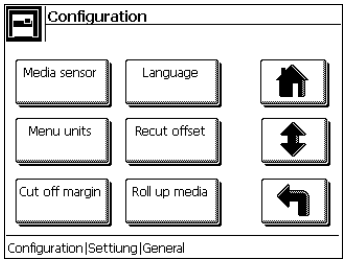
5.Press on Configuration.



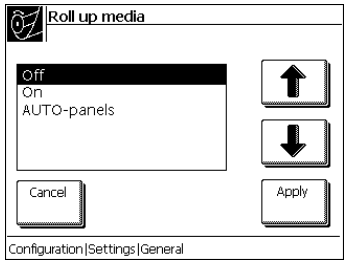
6.Press on Settings.



7.Press on General



8.Press on roll up media.



9.Choose roll up method.

On: *media is rolled up after each job (a panel is also considered as a complete job).*

Auto-panels: *The cutter automatically divides the job into panels of 1meter and rolls up after each panel.*

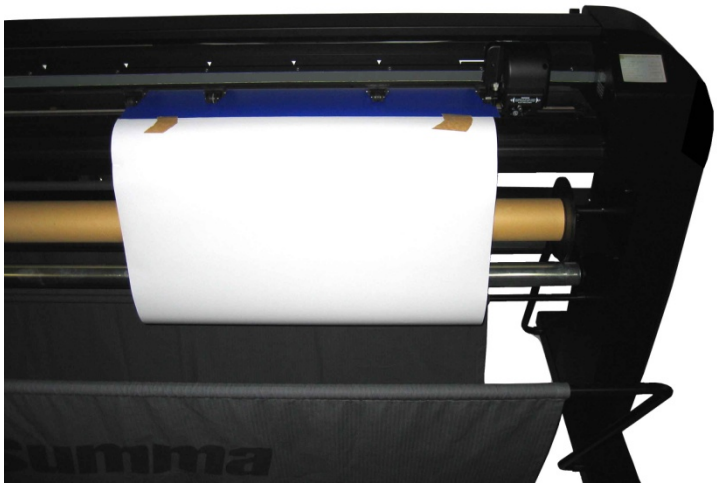
NOTE: Do not use paneling in the software if paneling is used in the cutter and vice versa. Some software do not send the correct end of job command after each panel, if this is the case, then only internal paneling can be used for activating the roll up option.

Loading media

1. Load media as described in the manual.

2. Put the media flanges on an empty core holder. Then Stick a sheet of scrap media to it. Put that on the roll-up system at the front of the machine as shown in picture. Make sure the media is hanging behind the second roll.

3. Attach the piece of scrap to the loaded media. It is recommended to advance the media a couple of cm, or to cut first a small job so the scrap media does not get caught when media is fed back and forth.



NOTE: If the roll up system is enabled (set to on or auto-panel), then the media is not pulled back while loading (front sensor is set to off).

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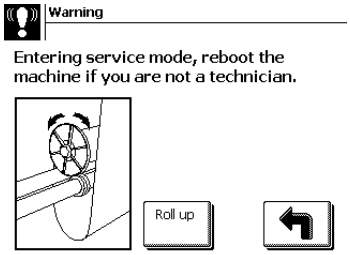
Calibrating the roll up system

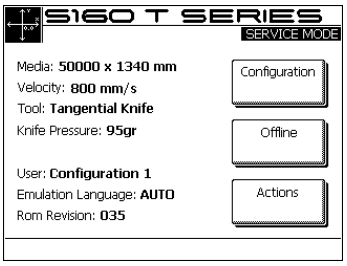
NOTE: This calibration is only for revision 35, 36 and 37 on the S Class series cutters.
If the firmware revision is lower, then upgrade the firmware before proceeding. The parameter Roll up media has to be set to “after job” or “after auto panel”, if not then the calibration will fail.

The cutter will not boot but show a message to ensure this mode is not entered by accident.

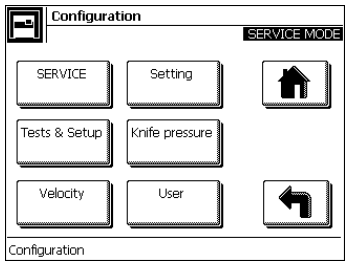


1.Switch on the cutter while pressing on the touch screen under the ‘S’ from Summa.

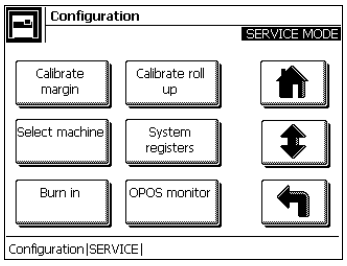
2.Press on arrow.



3.Press on Configuration.



4.Press on SERVICE



5.Press on Calibrate roll up.

The machine will now feed material until sensor is covered, then roll the media up until the sensor is uncovered. It will then feed a certain amount of media (500mm), measure the time it takes to roll it up and then change an internal parameter is necessary. This value will be shown on screen.

4. Once the test is done, switch the machine off to leave service mode.

Warning: Changing the wrong parameters in service mode will damage the cutter irreversibly.

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Extra setting cutter control – how to use roll up

In Summa Cutter Control an extra parameter will be visible. The parameter is called Roll up media. This parameter can be set to “Off”, “On” and “AUTO-panel”

On the cutter itself an extra sub menu is added in the general setting menu. This sub menu can change the same parameter as in Summa Cutter Control and has the same 3 settings.

When the setting “**off**” is chosen, then the roll up is disabled and the cutter works as if the roll up was not mounted. In this case do not fix the media to the front roll on the roll up system. The machine will not unroll the media if the media is moved backwards thus generating an X axis error.

When the setting “**on**” is chosen, then the cutter will roll up the media after each job.

NOTE: A panel is considered as one job. So if panelling is chosen (be it internally in the cutter or from in the software), then the media is rolled up after each panel.

When the setting “**AUTO-panel**” is chosen, then the cutter will panel the job automatically in panels of one meter and roll up the media after each panel.

NOTE: Do not use paneling in the software and internal paneling in the cutter at the same time. Set paneling in only one of the two.
Some software do not send the correct end of job command after each panel, if this is the case, then only internal paneling can be used if the media needs to be rolled up after each panel

MI9035 rev C