

OPOS X with reflective media

The optical eye that detects the markers sends out a white light with S-class and SummaCut-R series.

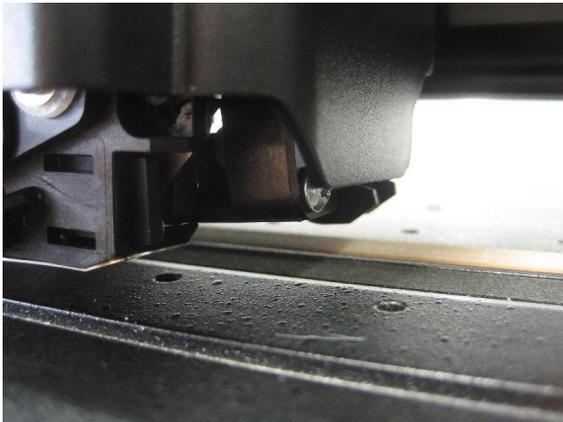
This light is reflected on the media and is picked up with the OPOS receiver.

When you have high reflective material then the light will completely be reflected and will be seen as black. You can compare it with a copy machine. When you lay a mirror sheet under a copier then it will copy it as a black page.

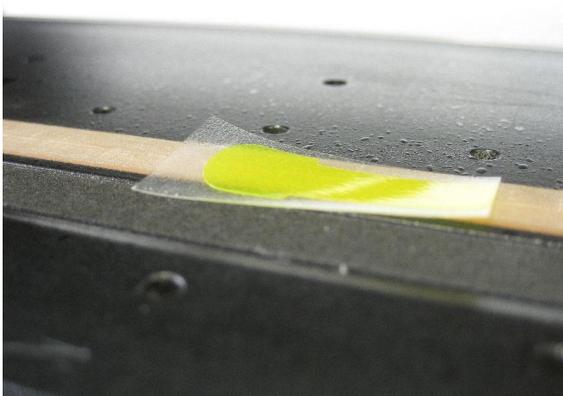


This procedure describes how to apply a yellow optical filter to the OPOS X sensor for use on reflective media.

1. Switch the machine off.
2. Make sure the OPOS sensor is lifted; eventually move the head completely to the right to raise the OPOS sensor.

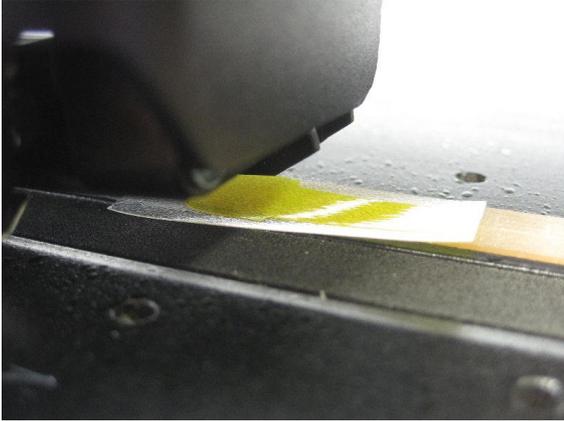


3. Place the filter on the cutting strip with the sticky side up.

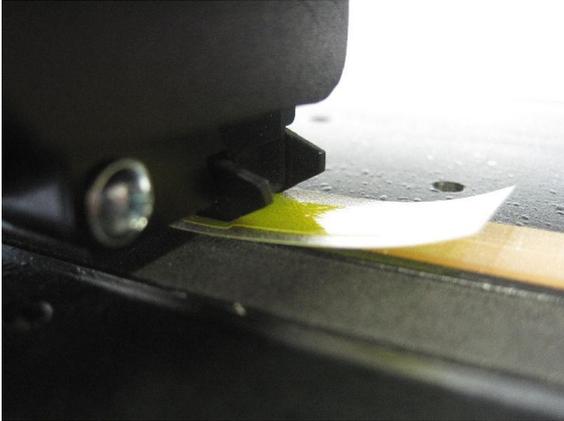


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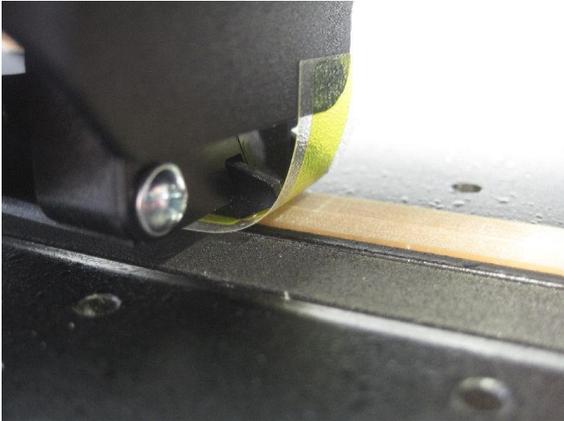
4. Move the cutter head above the filter until the widest part covers the OPOS optics.



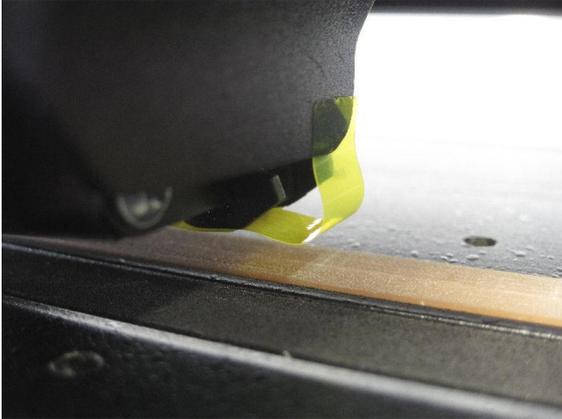
5. Lower the OPOS sensor by pulling on the knife holder.



6. Bend the filter up and stick the end of the filter to the cover to ease the removing of the filter when no longer needed.



7. Lift the OPOS sensor and remove the application tape in case this was used.

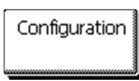


Next step is to define the sensitivity of the OPOS sensor. This requires doing the “Media Calibration”.

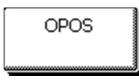
Media calibration ensures that the sensor is able to recognize the markers. OPOS is calibrated at the factory to work on a wide range of media. However, certain media -- such as those with a high gloss -- may not work with the default settings. Before working with such materials, perform a media calibration test. This test will alter OPOS’s sensitivity so that it will read the markers with greater reliability.

Print a square measuring at least 4x4cm on the media that will be used. Be sure to use the same ink and media that will be used when creating the registration markers and design.

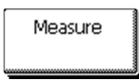
1. Turn on the cutter and load the vinyl with the printed square.

2. Press  .
The main menu will appear on screen.

3. Press  .
The configuration menus will appear on screen.

4. Press  .
The different OPOS configuration menus will appear on screen.

5. Press  .
The cutter allows the user to choose to either measure the media or to fill in a previously recorded value.

6. Press  .
The cutter will lower the sensor. On the display, the message “put knife on white area” will appear.

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7. Use , ,  or  to maneuver the knife on top of a white area (the area should be at least 3 by 3 cm or 1" by 1").

8. Press  to confirm.

The cutter will make a circular movement while it measures the reflection of the media. It will briefly display the measured values and display the message "put knife on black area."

9. Use , ,  or  to maneuver the knife on top of a black area (approximately in the middle and slightly to the bottom right).

10. Press  to confirm.

The cutter will make a circular movement while it measures the reflection of the marker color. It will briefly display the measured values, then it will show a value that is characteristic for this media color – marker color combination. Store this value for future reference.

To set the sensitivity of the OPOS sensor to a known previously recorded value, then use this procedure:

1. Turn on the cutter and load vinyl.

2. Press .

The main menu will appear on screen.

3. Press .

The configuration menus will appear on screen.

4. Press .

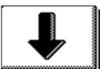
The different OPOS configuration menus will appear on screen.

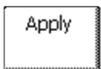
5. Press .

The cutter allows the user to choose to either measure the media or to fill in a previously recorded value.

6. Press .

This displays the current sensitivity.

7. Use  or  to set the sensitivity to a known value for the media used.

8. Press  to confirm.