

FILM-TECH

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Stereoscopic Digital 3D System

MI-2100 Filter Cleaning

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Revision History

Revision	Release Date	Author	Remarks
A	Feb 18, 2009	PDP	Initial release

Filter Cleaning

CAUTION NOTICES

- To avoid electric shock, ensure the power switch is off and unplug the power cord prior to cleaning the filter.
- (insert symbol) Injury may result while working near moving parts. Do not power up the system to spin the filter while cleaning the filter.
- To avoid scratching and damaging the filter, perform the cleaning procedure and use cleaning solutions only as outlined in this document.

Materials Required

- Use only approved micro fiber type polishing cloths. These clothes will feel extra soft to touch with absolutely no abrasive texture. Samples are shown in **Figure 1**.



Figure 1

- Isopropyl Alcohol – minimum 70%
- Clean film handling gloves - optional

Filter Cleaning Procedure

1. If possible, unlock the wheels and move the MI-2100 away from the projector lens to an area with bright lighting.
2. If the unit cannot be moved out to an open space then lower the filter below the lens using the “down” button in order to provide access to the front and back of the filter.
3. Turn off the power switch and unplug the power cord.

4. The filter cover does not have to be removed to clean the filter.
5. If available, wear film handling gloves while cleaning the filter.
6. Being careful to only touch the centre hub, spin the wheel slowly until the black sensor mark is at the top of the filter opening. This is the starting reference point.
7. Hold the filter steady with one hand, and while applying gentle pressure, carefully wipe the filter with the cleaning cloth. Wipe from the center of the filter to the outer edge only. Refer to **Figure 2**.

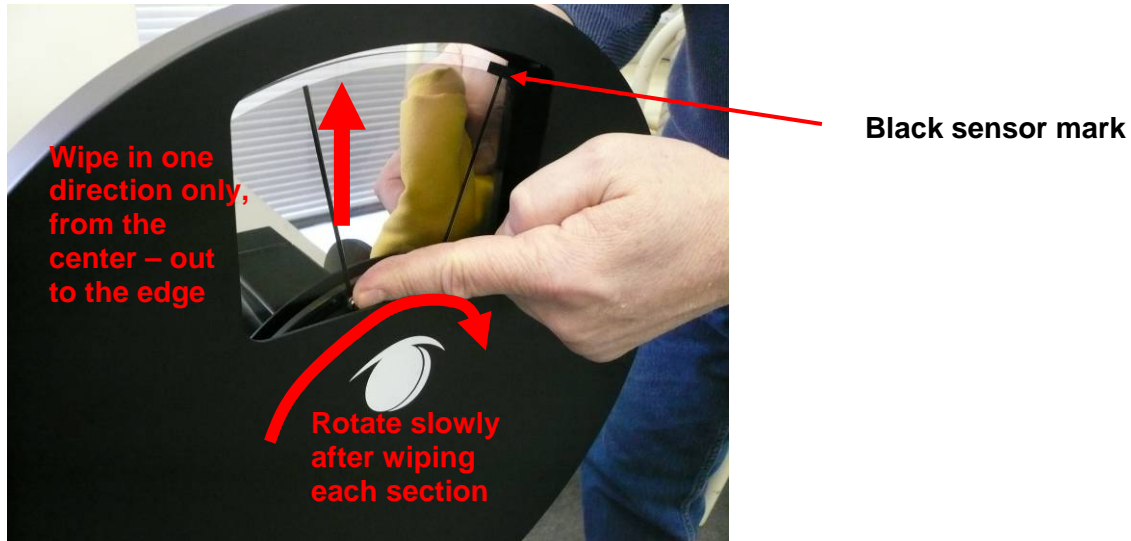


Figure 2

8. Rotate the filter slightly with the other hand between each upward wipe of the cloth.
9. Refold the cloth after every 2 or 3 wipes in order to maintain a clean cloth surface on the filter.
10. Continue to rotate and wipe the filter until one side of the filter is clean. Use the black sensor mark to indicate when the entire filter has been wiped.
11. Switch hands or sides and repeat the process for the other side of the filter. Refer to **Figure 3**.



Figure 3

12. Repeat the cleaning process if required in order to completely remove any dirt or residue on the filter.
13. For areas that are difficult to clean:
 - a) Isopropyl alcohol is the recommended cleaning solution. If using any other solution for the first time on the filter, apply a small amount of solution to the cloth. Then wipe a small area near the filter hub (out of the picture area) and inspect the results carefully for any surface damage. This must be tested on both sides of the filter as they are different materials.
 - b) Apply a small amount of alcohol to the cleaning cloth. Never put cleaning solutions directly on the filter.
 - c) Gently rub the cloth over the filter while applying a light pressure. Check the results frequently.

Note: If not using the MI-2100 for several days, protect the filter wheel with a clean cover.

For any other cleaning questions contact masterImage USA directly support@materimage3D.com