

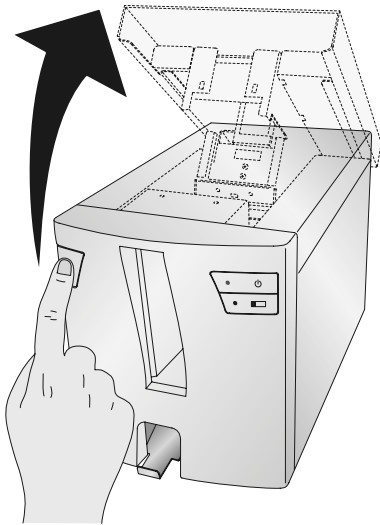
Cleaning instruction for Primera Signature Slide Printer

(Standard and XTRA Force version)

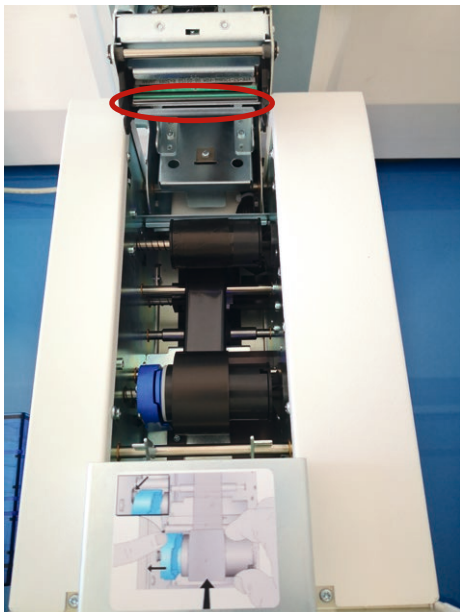
Cleaning the Printhead (Standard Cleaning)

A printhead cleaning pen and cleaning cloth will be delivered with the printer. A new one can be ordered from your local distributor. Clean the printhead every thousand prints with the cleaning pen. PTLab displays a corresponding message on the computer screen. If you use another software you would have to count yourself to determine the appropriate time for cleaning. If you notice quality problems, for instance a vertical line through the entire print, you should clean the printhead immediately.

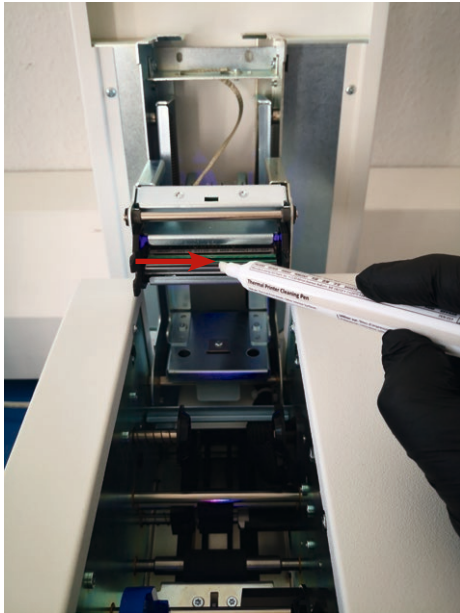
1. Open the printer cover.



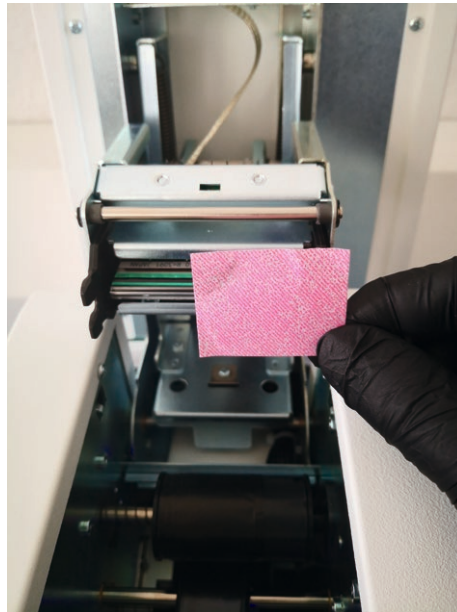
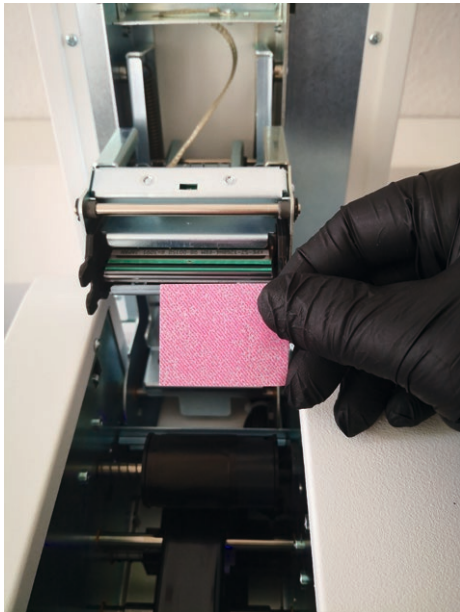
2. Locate the printhead which is mounted underside the cover.



3. Clean the printhead using the printhead cleaning pen. (Printhead Cleaning Pen: 076922DTM) Swipe across the burn line once or twice. If you notice that the tip is getting dirty, clean it by wiping it across a clean sheet of paper.



4. If the cleaning pen does not resolve the issue, the pink cleaning cloth (Printhead Polishing Paper: 895703DTM) should be used. Rub the cleaning cloth over the printhead burn line a few times to help remove any built-up debris.



If cleaning the printhead does not resolve the quality problem (e.g. the vertical line through the entire print) it is maybe time to replace the printhead.



Be sure that you use the proper printing temperature. With suitable slides the temperature is between 80 and 90.
Please note: The printing temperature is just a relative value, not a real temperature.

Please contact your local distributor or your technical department if the printhead should be changed.

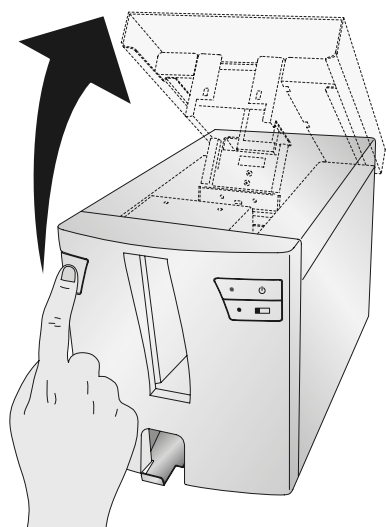
Cleaning the Transportation Rollers

The cleaning should be done depending on which slides you are using and the amount you are printing. If the weekly printing amount is about 1000 slides this cleaning should be done every week.

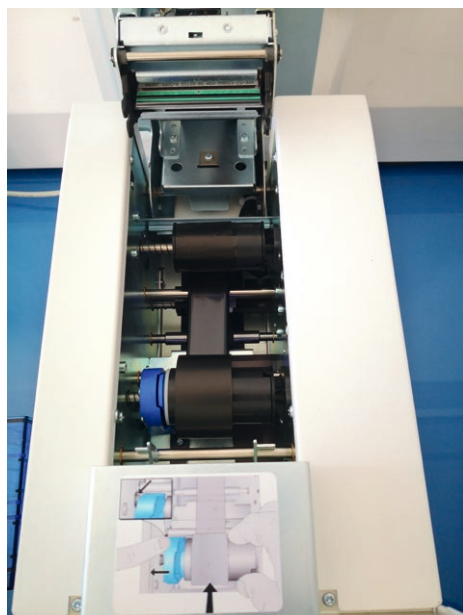
With less printed slides and when using slides of good quality (slides with ground edges and pre-cleaned) a monthly cleaning should be sufficient.

Please note that this is a suggestion based on standard procedures and our experience with different consumables. The requirements in your lab may differ from this suggestion.

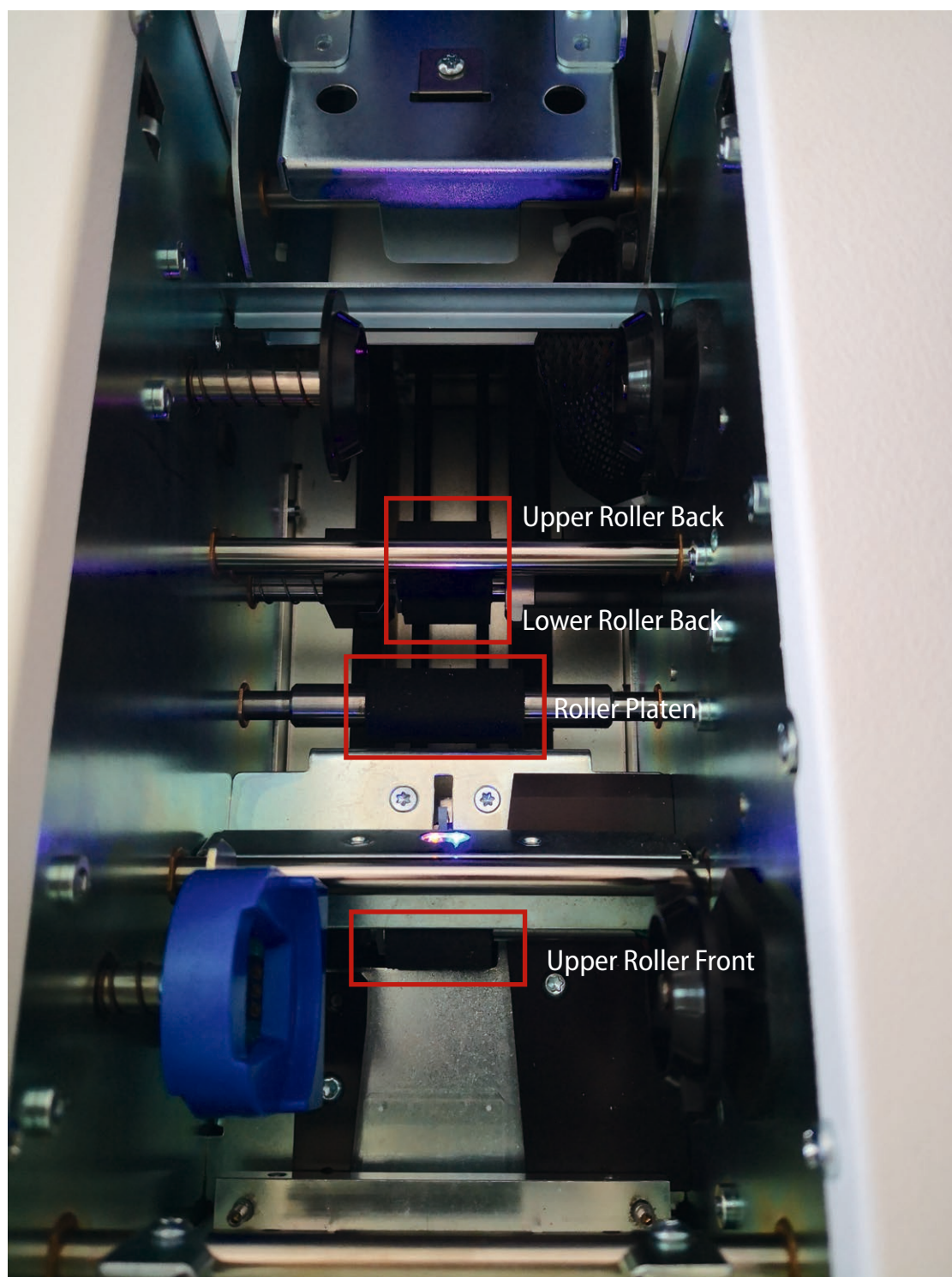
1. Open the printer cover.



2. Remove the ribbon.



3. Locate the transportation rollers: the upper and lower transportation rollers in the back, the roller platen and the transportation rollers in the front.
On the picture you see the upper front roller. The lower front roller is beneath this and not visible in the picture.





4. Start with the back rollers.


Take a lint-free cloth and soak it with alcohol (ethanol or isopropanol). Alternatively use a big swab if available. This would be more comfortable. The next steps of this manual will be performed with a cloth.



- a) First press the soaked cloth against the upper roller and then press one of the two upper right buttons at the front panel:

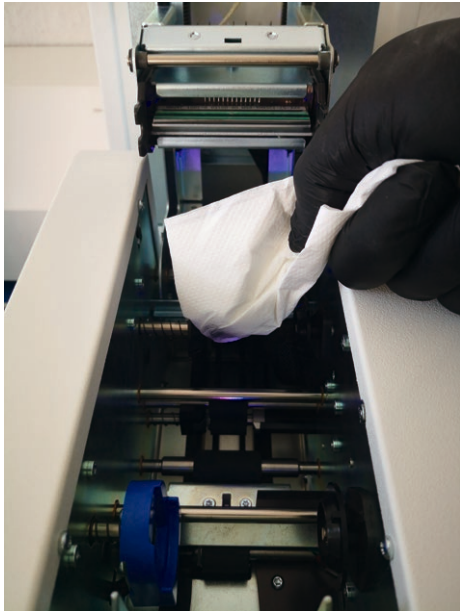
If you press the button , the roller will turn backward. If there would be a slide present it would move to the back.

If you press the button , the roller will turn forward. If there would be a slide present it would move to the front.

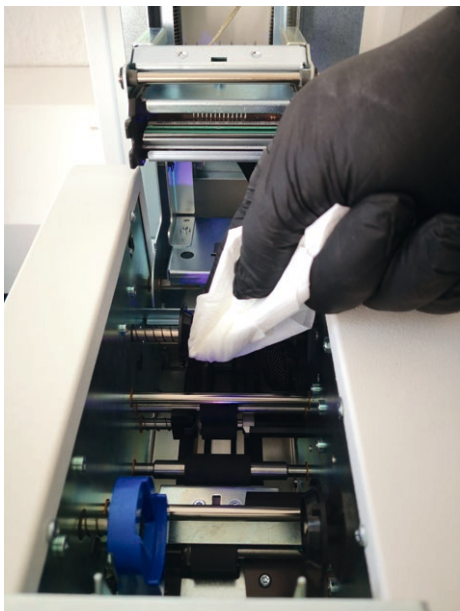
We recommend using the button  in order to prevent the cloth from dragging between the rollers.

Keep the button pressed until the roller has turned at least one time. By pressing the cloth against the turning roller it will be cleaned.

- b) Check the cloth to see if there is still visible dirt:



- c) If yes, repeat the procedure with a clean part of the cloth. Check the cloth again. If it is only light grey the roller is cleaned. Repeat at your own discretion.



- d) Proceed with the lower roller in the same way.

5. Continue with the roller platen.

Use another part of the cloth and soak it again with alcohol.

Press and hold the button  and press the cloth against the roller platen.

Check the cloth and if it is still black, repeat the procedure with another part of the cloth until the cloth is only light grey. That means the roller is cleaned. Proceed at your own discretion.

6. Finally clean the front rollers.

The upper roller can be easily reached from the top. The lower roller cannot be accessed directly and will only be cleaned indirectly by cleaning the upper roller.


Proceed as described in chapter 4.a), b) and c).

Infeed Issues – Cleaning the Input Roller

Depending on the used slides and the surroundings this cleaning needs to be done frequently. At best, you are using slides with ground edges and pre-cleaned. We recommend using slides with rounded edges (45°). There is a risk that slides with 90° (degrees) corners cannot be moved inside the printer or that they get stuck inside the printer during transportation.

Because of debris and dirt (paraffin), the input roller will not be able to take in the slides properly anymore. Usually the Slide Printer will try six times to pull the slide from the blue box inside the printer. If this will not work, there will be a flashing light in the blue box and PTLab will inform you about this slide misfeed. If you use another software you will just recognise the flashing light and will not see a message on the computer screen.

By fanning the slides in the blue box, the issue can be solved. Usually, fanning the slides should be done by inserting new slides in the blue box.

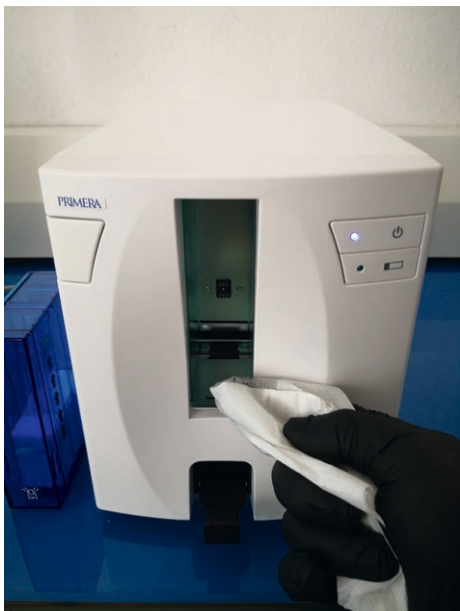
When it is finished, press the upper right button  in order to proceed.

If the issue still exists, check the blue box. There is a small bridge at the hole where the slides are dragged out which should not be damaged. A blue box with a damaged part has to be replaced.



If none of the above-mentioned issues are present, you will need to do the following cleaning of the input roller:

1. Remove the blue slide box.
2. Take a lint-free cloth and soak it with alcohol (ethanol or isopropanol).



3. With the cloth on your fingertip (use gloves) move it diagonally over the input roller. Try to rotate the roller by pushing or pulling on the top of the roller so you can clean the entire roller. Repeat this procedure several times.



4. Then use another part of the cloth, soak it again with alcohol, clean the roller and check if it is still black due to dirt or not.



- a) If yes, repeat the cleaning using another diagonal direction (e.g. from the right back to the front left).
- b) If the cloth is only light grey and not black anymore, the cleaning is finished.

Insert the blue box after the cleaning the input roller and check if the infeed issue is solved. If not, the input roller may be worn out and has to be replaced. Very often it will be enough to adjust the infeed bar in order to solve this issue.

Please contact your local distributor or your technical department concerning this.

Depending on the type of slides you are using and the amount of prints a cleaning needs to be done more often. If there is nearly no debris and no contamination by paraffin a cleaning every two weeks should be sufficient. However, this only serves as a rough guideline. Due to other circumstances, cleaning more often may be necessary. After some time, you will find your own suitable cleaning interval for your laboratory.