



Aries 113 UV DTF Maintenance Guide

v120823

For your safety, we recommend wearing protective gloves when handling this equipment or these materials to minimize the risk of injury or contamination.



Maintenance Chart

Tasks	Daily Beginning	Daily End of the Day	Weekly	Monthly	As Needed
Agitate White and Varnish Bottles	Green				
Perform Nozzle Check	Green				
Perform Head Cleaning/ Load/ Fill Ink	Green				
Check the Media (A film and B film)	Green				
Clean Around Head		Blue			
Clean Wiper Blade/Cap Top		Blue			
Empty Waste Ink tank			Yellow		
Clean Encoder Strip			Yellow		
Clean UV Lamps Glass			Yellow		
Clean Heating Roller				Red	
Clean Printing Bed & Film Sensor				Red	Purple
Replace Wiper Blade/ Cap Top					Purple
Grease the Rail					Purple



Daily Beginning

1. Agitate White and Varnish Bottles

To prevent white and varnish ink from settling, please agitate the ink bottle every day. If it's used, please remove the paper cover on the cap to prevent any paper from mixing with the white ink. Shake the bottles for at least 20 seconds.

2. Perform Nozzle Check

Perform a nozzle test before sending a print job to ensure that you get good quality prints every time. Poor nozzles result in banding or overspray in the prints.

3. Perform Head Cleaning/ Load/ Fill Ink

Head cleaning: Perform Head cleaning after FILL INK is crucial to drain the capping station top and wipe the printhead surface for nozzle test and or printing.

Fill Ink: To remove any air bubbles or clog, perform fill ink for at least 5 seconds. 5 seconds starts from the time the waste ink drains smoothly.

4. Check A Film and B Film

Regularly check the film length to ensure there is sufficient media available for printing. Be cautious about sending lengthy images to the printer when the media supply is running low.



Daily End of the Day

1. Clean Around Head

It's important to clean around the head for any build-up inks at the end of every day. Build-up inks can get on to the printhead from the wiper and can potentially damage the printhead.

2. Clean Wiper Blade/Cap Top

Wiper Blade: Same as cleaning around the head, making sure the wiper blade is cleaned is very important to obtain a good nozzle check. Any residue buildup can damage the printhead and your head cleaning may not be effective.

Cap Top: Keeping the capping station cap tops clean is one of the most important tasks. Your head cleaning may not be effective. Your printer may not draw out the proper amount of ink if there are a lot of build-up inks.



Weekly

1. Empty Waste Ink tank

A waste tank alarm is available however it's recommended that this be replaced every week to ensure that ink does not dry up inside the tank and the tube.

2. Clean Encoder Strip

The encoder strip can be cleaned with isopropyl alcohol, simply wipe both sides/ check for any dents or ink splash. DO NOT USE RUBBING ALCOHOL.

3. Clean UV Lamps Glass

Make sure to clean the UV lamp glass weekly to prevent the buildup of dust, ink residue, and other contaminants that can reduce the effectiveness of the UV curing process.



Monthly

1. Clean Heating Roller

Regularly maintain the heating roller to ensure the proper advancement of the film. Neglecting the maintenance of the heating roller can lead to problems such as head strikes and film bunching. Avoid using alcohol for cleaning; instead, utilize a lint-free wipe or a water-based cleaner when necessary.

2. Clean Printing Bed

Ensure the printing bed is free from dust, debris, and residual ink. Clean it regularly to prevent print imperfections and vacuum failure.

3. Clean Film Sensor

Consistently maintain the film sensor to ensure its accurate detection of films.



As Needed

1. Clean Printing Bed & Film Sensor

See “Monthly” for more details.

2. Replace Wiper Blade/ Cap Top

Typically, wiper blades and cap top should be replaced when they show signs of wear or damage. Ink and or cleaning solution contains alcohol which naturally dissolves the rubbers. You may expect to replace them often depending on usage.

3. Grease the Rail

Greasing the rail is a common maintenance practice to ensure smooth and friction-free movement of printhead carriage.