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SPYDER DAILY AND ROUTINE MAINTENANCE

Daily Routine: Before daily screen production.

- **CHECK ALL YOUR GAUGES:**
 - The **Low vacuum** gauge should read **1.8**.
 - **Inkfeed** gauge should read **8-9 psi**.
 - **Purge** gauge should be **4 psi**.
 - **High vacuum** should be **-22 to -23**.

- **MAKE SURE THE INK DROPLET IS BLUE:**
 - If the air compressor was shut off overnight you may need to wait for the print head reservoir to fill back up with ink.
 - You will know it is full when you have the blue droplet (above the ink tank level icon in the **Spyder Control Panel (SCP)**).
 - **VERY IMPORTANT!!**

- **MAKE SURE A GREEN CHECKMARK AND HAPPY FACE**
 - Appear in the **SCP**.

- **PERFORM A SOFT PURGE at 4psi:**
 - After a weekend Spyder shutdown or standby or weekly overnight standby.
 - **Wait 2 minutes** before any further purging cycle (latest SCP version has built-in purge delay)

- **WIPE THE BOTTOM OF THE HEAD:**
 - **With clean lint free wipes only**, below the two small bottom screws.
 - **DO NOT FACE WIPE THE HEAD.**
 - Make sure the lip underneath the head is also clean.

- **CHECK ALL SCREENS BEFORE LOADING:**
 - Make sure **CORNERS AND EDGES ARE CLEAN**.
 - Also ensure there is nothing sticking up i.e. emulsion bubbles, taped edges, etc.

- **PERFORM A SOFT PURGE:**
 - Before any weekend or holiday shutdowns.
 - Repeat previous steps after return.



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Bi-Weekly Routine:

- **Ensure SCP is closed down.**
- **Press the OFF button (if panel has on/off switches) or Emergency stop button on the panel to the right side of the Spyder.**
- **Allow 20 minutes for the ink to solidify on the head face before performing any following procedures.**

CLEAN THREE SLIDE RAILS ON SPYDER:

- Two on the Y or screen drum verticals and one on the X or horizontal axis top.
- You can use 70% isopropyl solution (IPA) with a clean cloth.
- Then use a clean rag or t-shirt with some 3:1 light oil e.g. WD40. Apply only a light coat.

CLEAN BALLSCREW DRIVE:

- As above use a clean cloth to apply some light 3:1 oil e.g. WD40.

CLEAN PRINT HEAD COVER:

- Take to an area away from the Spyder and wipe out the inside with some lint free wipes and remove crystals and/or dust that might have accumulated. You can use compressed air, **away from the Spyder.**

CLEAN THE DRIVE BELT:

- Using some 70% or higher isopropyl alcohol (IPA).
- In the absence of IPA white spirit can be used.
- This is the belt that moves the print head carriage side to side. Dirt accumulates particularly around the head home position area.

CLEAN THE X AXIS METAL ENCODER STRIP:

- Using a damp lint free cloth.

EMPTY THE WASTE TANK:

- This can be done as needed by removing the waste tank and heating it up in hot water.

DO NOT RECYCLE THE WAX AS THIS IS CONTAMINATED AND COULD VOID YOUR MACHINE WARRANTY.

CLEAN FRONT GRILL AND ANY FILTER ON THE FRONT OF THE AIR & POWER CABINET:

- For Tri-Lock check all is clean including alignment blocks.
- For MHM check that the pin bar centre bolts have not become loose.

KEEP THE AREA AROUND THE SPYDER CLEAN AND TIDY.