

Oval Hybrid Digital Printing Machine Maintenance Items

1. Maintenance items before and after printing

- 1.1 Detection of printing head status before printing: by printing print-head test strip, printing head maintenance, using dust-free cloth to wipe with cleaning liquid, flash spraying and other ways to make the printing head in normal state.
- 1.2 Detection of printing head status after printing: by printing print-head test strip, printing head maintenance, using dust-free cloth to wipe with cleaning liquid, flash spraying and other ways to make the printing head in normal state.

2. Daily inspection of maintenance items

- 2.1 Keep the working environment clean and hygienic: clean the workplace, so that it is clean and dust-free.
- 2.2 Maintain the working environment temperature and humidity: Temperature 20°C~30°C, humidity 50%~80%.
- 2.3 Keep the compressed air dry and clean: drain the air pump, the gas tank, the oil water separator or dryer, the water and oil in the air supply pipe.
- 2.4 Keep the machine clean and hygienic
 - (1) Clean the machine: remove dirt such as dust and ink stains etc on the computer operating table, ink-supply bottle, chassis.
 - (2) Clean the car anti-collision block: wipe with a rag to clean the dirt such as cloth scraps, dust, ink stains of the left and right anti-collision block
 - (3) Clean the printing head blade: wash with a special cleaning solution to remove accumulated ink and dry dirt on the surface.
 - (4) Clean the ink scraper of the printing head: Wipe the outer edge of the scraper with a rag to remove the ink marks on the surface.
 - (5) Clean the printing head: use a sponge stick or non-woven cloth to clean the surface and all around the printing head to remove dry ink and foreign matter.

Note: It is forbidden to use the liquid other than the special cleaning solution to contact the surface of the printing head.

Note: Do not use hard objects to scratch the surface of the printing head.
 - (6) Clean the moisturizing seat: clean the moisturizing seat and its surroundings with a rag to remove accumulated ink and dirt.
 - (7) Clean the moisturizing cap: remove the ink from the moisturizing cap.

Note: Do not use a hard object to scratch the edge of the moisturizing cap to avoid bad sealing with notches; Do not add the liquid other than special moisturizing liquid to the moisturizing cap.
 - (8) Clean up the waste ink: check the waste ink in the printing head cleaning seat / the ink scraper in the

printing head and the waste ink in the waste ink tank, and clean it in time.

Note: protect against ink or other liquids from touching connectors such as power cables.

2.5 Inspection of ink quantity in the ink tank: add ink in time when ink tank is with less ink

Note: please pay attention to the shelf life of the ink

Note: the lid of ink tank must be kept sealed in normal use.

2.6 Moisturizing the printing head before shutting down: Clean the ink in the moisturizing cap, clean the foreign matter such as ink and dust on the edge of the moisturizing cap with a clean cloth; Moisturizing shutdown under good conditions

Note: Do not replace the cleaning solution with liquid such as pure water. Do not use expired or contaminated cleaning solution.

3. Weekly maintenance items

3.1 Check the magnetic grid: Check for any flying ink, oil stains, dust and other dirt. If necessary, dip the dust-free cloth in anhydrous alcohol to clean lightly when the power is off. Check for iron filings on the magnetic grid and remove them if necessary when the power is off.

3.2 Check the color of the printing heads. Print the machine to retain the bottom map "TEST1" to check the color of the printing heads. If necessary, re-color the color.

3.3 Check the sensors: Check the sensing probes and proximity switches for ink stains and dirt. If necessary, wipe them with a dust-free cloth.

3.4 Check the gas path: Whether the interface is loose, whether the pipe is damaged or not, whether there is any air leakage; pay attention to whether the barometer has a numerical value.

3.5 Check the stator of linear motor: check the stator for ink stains, dirt, dust and iron filings. If necessary, wipe it off with a dust-free cloth and clear the iron filings when the power is off.

3.6 Inspection and maintenance of key transmission parts, Rails and Sliders: Check if there is any abnormal noise when moving the trolley. After cleaning the guide rails, apply the oil on the guide rails with a dust-free cloth.

Note: Prevent oil from sticking to the grid.

3.7 Check the synchronous belt: check whether the tension of the two sides of the synchronous belt is consistent, whether there is any loosening abnormal noise, and if necessary, deal with it when the power is off .

4. Annual maintenance items

4.1 Clean the ink tank: Clean the ink tank and replace it if necessary. (suggest to replace it every 6 months)

4.2 Replace the filters: Check the fluency of filters and replace them if necessary. (suggest to replace it every 3-6 months)

4.3 Check the overall circuit: Check the wiring and connectors for looseness or damage, and tighten or repair them in time.