

# MS COLOR 2 INSTRUCTION MANUAL



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## >>WARNING<<

### Suggestions when using Oliser's Inkjet Filling Machines

1. **Oliser suggests using water when operating the machine for the first time**
2. **A pencil eraser can be used to clean the circuits on a cartridge**

#### Maintenance :

Insert all Exhaust Lines into your specific catch receptable

**Note :** Empty your catch buckets once they become 1/3 full. This will optimize the air flow in your equipment and allow the System to perform correctly.

**Note :** Use separate catch buckets for waste and reusable liquids.

Flush your equipment with warm distilled water daily.

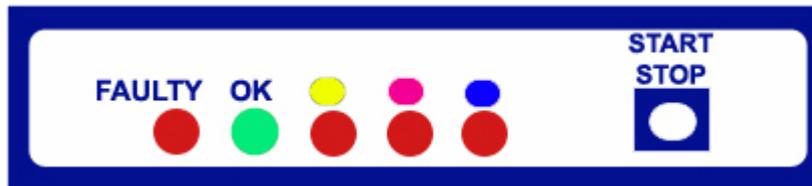
Simply use an empty cartridge to draw the distilled water through your equipment in place of ink.

This will keep any sediment from clogging the interior of the equipment.

#### Cleaning of VAC generator :

Take out the VAC generators connectors, put the VAC generator warm distilled water or cleaning solutions around five minutes, then apply compressed air through connectors one by one 3-5 seconds. Reconnect the connectors to the VAC generator and test the vacumm level before install into the machine.

**Maintenance procedure must be done regularly every week. OLISER is NOT responsible for the problems which is caused by un-maintenance...**



As you will see, there are 5 LED'S on the top of the evacuation station, these tell you about the individual (Cyan,Magenta,Yellow) chambers state;whether they are free and clear in order that ink may be introduced through filling etc. Each LED is related to its color. Normally these leds will be off when you switch on the machine, and the OK ILED will illuminate to inform you of the status of the specific colour chamber's integrity.

All illuminated light (ON) means that specific cahmber is in good order to fill into.

The MS-COLOR 2 requires that ALL THREE lights are illuminated in order that filling of the said cartridge can be undertaken.

Should the operator glace away for an interval and miss seeing each light being illuminated, he/she may not be concerned,because to end the procedure,the "OK" light will be activated in (GREEN) indicating that the cartridge is suitable to fill.

Should the operator ONLY notice the "FAULTY" (RED Light) being illuminated,this clearly describes that the is unsuitable for filling.

This EVACUATION STATION with its colour-coded lights will specifically inform you of which chamber is troublesome.

Generally this implies that the MS-COLOUR machine cannot certify that that / those chamber(s) are correct for filling.

In order to try and clear the chambers, you may try one or more of thee procedures

1) Drain the cartridge on paper towel; if there is too much ink in the cartridge, the EVACUATION STATION will not find a clear passage through the cartridge via the nozzles for refilling

2) The cartridge nozzle plate may be lifting and the cartridge is deemed unsuitable for filling

3) Islands in the jet area may be damaged and in keeping with this, may render the cartridge unsuitable for filling

4) You may steam the cartridge nozzle plate for up to 3 seconds with the MS-Steam to try and open clogged jets

You may repeat the 2,5 minute procedure again to try and look for a clearing in the ink passage.

Do not repeat the procedure over-and-over as this will weaken the lamination glue that holds the nozzle plate in position.

Also continued use of the EVACUATION STATION will cause foaming in tat the bottom of the sponge near the filter that leads to the printhead / jet area

With Oliser's controllers, you can manually choose how ml of ink you want to fill for each color. And also on which station (Universal or 23 / 25 / 41 / 78) you want to work. Filling can be done on both side at the same time.



Each Time you push to MODE button, Cyan / Magenta / Yellow and UNI will appear on the display and related ink volumes.

You can manually adjust the ink volumes of each color pushing -1 and +5 buttons.

### RECOMMENDED FILLING VOLUMES

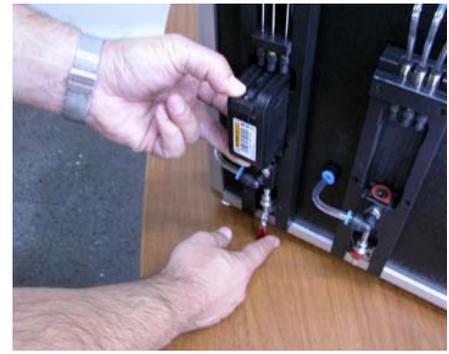
\*\*\* We suggest you to fill the below listed amounts



- 6578D : 9ml Yellow, 7ml Magenta, 9ml Cyan
- 6578A : 16ml Yellow, 13ml Magenta, 16ml Cyan
- 6625A : 8ml Yellow, 6ml Magenta, 8ml Cyan
- 1823A : 13ml Yellow, 10ml Magenta, 13ml Cyan
- 51641A : 16ml Yellow, 13ml Magenta, 16ml Cyan
- 51649A : 21ml (7ml for each) on Universal Side
- 51625A : 21ml (7ml for each) on Universal Side
- Lexmark 12A1980 : 27ml (9ml for each) UNI side



Be sure that fill hole plugs are removed!



Place the cartridge to the station



Lift the handle up and secure the cartridge, be sure that cartridge is tight.



Push the Start button after being sure to adjust the right **Ink Volume** (page color).

3) of each



Test the cartridge by pushing on a clean tissue paper



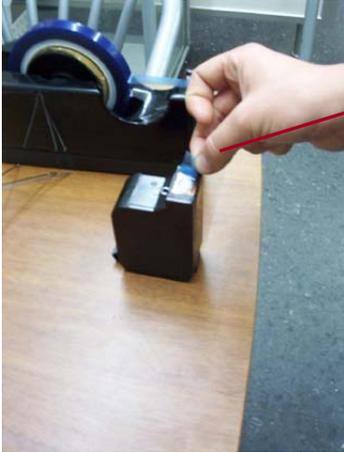
**Push the Start button after being sure to adjust the right Ink Volume of each color.**



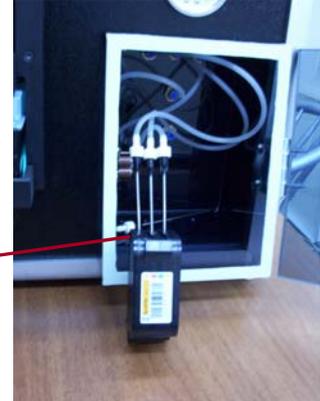
**Test the cartridge by pushing on a clean blotting towel**

# FILLING IN VACUUM CHAMBER

## Color Cartridge



Seal the printhead of the cartridge using a blue tape.



Insert the needles into the cartridge.



Place the cartridge inside of the filling chamber.

Adjust the ink volume. Close the cover of the filling chamber firmly and push to the start/stop button, it will start vacuuming and when reached to the correct vacuum level, automatically filling will start and stop after filling completed.

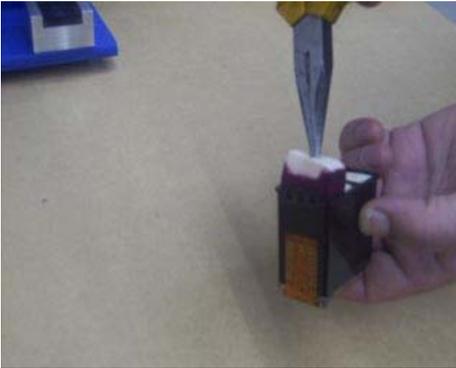


Take out the cartridge from the Filling Chamber



Using the suction cup, do the priming operation, now cartridge is ready to print test.

**NOTE : All color cartridges will be filled following the same steps above.**



**Remove colored cap and sponge retainers, then remove & discard sponges**



**Rinse inside & out hot ordinary water**



**Clean the cartridge bottom and the interior screens with pure distilled water.**

Fill the each chamber with pure ink water ,insert it evacuation station and start evacuatin process switching on the valve.It will start evacuation the pure ink from the chambers, please follow the each chamber whether draining fluently or not , if 3 chambers drained at the same time fully, this means that cartridge is OK and ready for filling. If one or both or all are not draining or too slow, it shows that related chamber or chambers are clogged.



**Insert new sponges into chambers. Sponges must be approximately 5mm below top rim with no gaps at inside corners.**



**Place the cartridge into the filling station**



**Push Start button to start filling**



**Position the filled cartridge on vertical suction cup, Apply Low vacuum in one second pulses until distinct three color footprint is obtained on a clean blotting towel .**

**Swing suction cup to horizontal position. Hold cartridge with circuitry facing upwards, Apply low vacuum in one second pulses to remove ink channel bubbles, if present.**



# Tube replacement of motors

