Hilord Chemical Corporation

Hilord Graphic Arts Inks for the PP-5000 Printer

Why convert the Oce' PP-5000 to "Hilord's" Graphic Arts Inks?

Hilord Inks ensure:

- Vibrant, brilliant colors with high density
- Excellent color gamut
- Color and density consistency between different batches
- Six-color system exhibits excellent U.V. stability
- Performs well among a variety of print modes and can be used with a large variety of media
- Minimum maintenance whether the printer is in use or idle
- Excellent firing reliability thus ensuring better print quality
- Less wear on the print heads
- Total cost of ownership dramatically reduced

Hilord Inks make you proud of your output.

Testing: Hilord controls the following parameters for every lot in order to ensure a consistent product:

Physical Parameters:

- Viscosity
- Specific gravity
- Surface tension (dynamic and static)
- Particle size distribution
- Aging tests
- Filtration
- Oven and freezer tests

Print Data:

- Reflective density
- Lab colorspace

Test Prints using Shil 80 gram 360 dpi Media:

- Stress test prints - No maintenance.
- Various application prints - No maintenance. s

To Sum Up: Hilord's matched component system; color curves, inks, coating and Shil 80 gram 360 dpi, keep operation costs at a minimum!

Installation Procedure for Installing Hilord Graphic Arts Inks to a "PP-5000"

The following procedure explains in detail how to install Hilord Solvent Inks in a PP-5000. It will require two people to perform the installation. An experienced crew will probably need three (3) hours to perform the installation.

Materials required: 8 oz. bottle, syringe and syringe attachment.

The dispersant PP-5000 Flush is used during this procedure.

There are two parts in this procedure. In the first part, the PP-5000 inks will be flushed out of the machine with PP-5000 Flush. In the second part the PP-5000 Flush will be drained out and Hilord Graphic inks will be installed in the machine. To ensure successful installation of Hilord Solvent Inks, it is very important to follow this procedure:

Step #1: Replace all the ink bottles in the ink tray with the bottles labeled PP-5000 Flush.
Step #2: From the operator menu, bring the carriage to the "Access" position and open the carriage door to expose the tanks.

Note: In the following steps all the tanks should be drained starting from the top (yellow) to the bottom (black). In each tank, there are three compartments. You should first drain the compartment that is closest to you and move your way to the one closest to the machine.


Figure 1.

Step #3: Disconnect the tube that is closest to you (labeled "INK") from the top of the yellow tank and insert it to the small hole on the side of the 8 oz. bottle (supplied). See Figure 1.
Step #4: To drain the first compartment (closest to you) of the yellow tank, disconnect the feed tube from the far right yellow head and connect it to the syringe with the attachment. Draw out as much ink as possible and then reattach the feed tube back to the head. See Figure 2.
Step #5: Disconnect the feed tube from the middle yellow head and draw as much ink as possible with the help of the syringe. This action will drain the middle compartment. When drained, reconnect the feed tube to the head.
Step #6: Disconnect the feed tube from the far left head and connect it to the syringe. Draw as much ink as possible, this will drain the compartment closest to the machine. Reconnect the feed tube to the head.

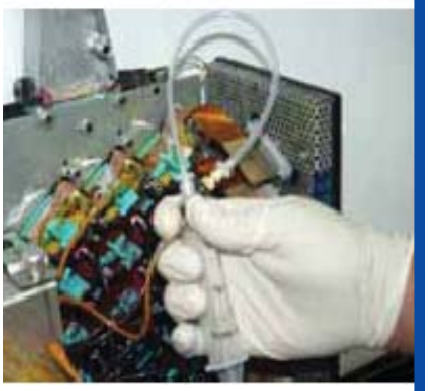
Figure 2.

Note: At this point, the machine will sense that the yellow tank is empty and it will start pumping. Since the yellow ink bottle was replaced with PP-5000 Flush (***Step*** #1) and the supply tube is connected to the 8 oz. bottle (***Step*** #3), PP-5000 Flush is being pumped through the yellow line into the 8 oz. bottle.

Step #7: Allow the machine to pump until there is clear dispersant coming through the end of the line. Reconnect the supply tube on the top of the yellow tank (labeled "INK"). It will continue pumping until the tank is full.

Repeat Steps 3 to 7 for all tanks.

Step #8: From the Operator menu print several nozzle tests until all heads appear clean. It may take 8 nozzle prints.
Step #9: Remove all the bottles labeled PP-5000 Flush from the ink tray and replace them with Hilord PP-5000 Graphic inks.

Repeat Step 2.

Repeat Steps 3 to 7 for all tanks.

Note: Regarding ***Step*** #7, allow the machine to pump until ink is coming out from the end of the tube.

Repeat Steps 4 to 6 (SKIP *STEP #3*) for all tanks one more time. Allow the machine to fill the tanks.

Step #10: From the Operator menu print 7 nozzle tests.

You have now successfully installed Hilord PP-5000 Graphic Arts Inks.

Satisfaction Guaranteed

This product was the result of extensive ink research and development that included testing for compatibility with printer components. It produces exceptional color quality and offers excellent ink yield and printer reliability when correctly used in imaging applications in the PP-5000 printer with Sihl 80 gram, 360 dpi media. Hilord inks are guaranteed to be stable and useable products for up to one year from the date of manufacture with proper use and normal storage conditions, and can be used with absolute confidence as a replacement for the ink originally supplied by the printer manufacturer.

Hilord Chemical Corporation
70 Engineers Road
Hauppauge, New York 11788 USA
Telephone: 631-234-7373, 1-800-645-1022
Fax: 631-234-4597
Email: info@hilord.com
Web Site: www.hilord.com

Hilord Europe:
Copira Aps
Telephone: ++45-49767676
Email: info@copira.dk

If you have any questions regarding this procedure, please contact Hilord Chemical at 631-234-7373 and request to speak to the Product Manager.