



Hilord Chemical Corporation

Hilord Solvent Inks for Oce'Arizona™ Printer

Why convert an Oce'Arizona™ printer to "Hilord's" Solvent Inks?

Hilord Inks ensure:

- Vibrant, brilliant colors
- Excellent color gamut
- Color and density consistency between different batches
- Extended outdoor durability: if using 3M Scotchal™, five (5) years; if using a general purpose vinyl media, three (3) years
- Minimum maintenance whether the printer is in use or idle
- No clogged nozzles thus ensuring better print quality
- Less wear on the print heads
- Competitively priced
- The quality of the prints are excellent with four passes, other inks require eight.

Testing: Hilord controls the following parameters for every lot in order to insure 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



You achieve warm and vibrant colors using Hilord Inks.

Test Prints using 3M Scotchal™ Media:

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

To Sum Up: Hilord's matched component system; color curves, inks, coating and Scotchal™ media, keep operation costs at a minimum!

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 Arizona™ printer with 3M Scotchal™ 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

Installation Procedure for Installing Hilord Solvent Inks into an Arizona™ Printer

This task requires two people. An experienced crew will need around five (5) hours installation time.

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

There are two flushes and one analog used during this procedure:

- Flush A is **CGS-80** - the clear flush used with the Arizona Inks.
- Flush B is the “**HILORD SOLVENT FLUSH**” - a transitional flush between A and C.
- Analog C is the “**HILORD SOLVENT ANALOG**” - an analog compatible with Hilord Solvent Inks.

There are four parts in this procedure:

1. The Arizona inks will be flushed out of the machine with Flush-A.
2. Flush-A will be flushed out with Flush-B.
3. Flush-B will be flushed out with with Analog.
4. The Analog will be drained out and Hilord Solvent Inks will be installed in the machine.

For successful installation of Hilord Solvent Inks, *it is important* that the two flushes and the analog are used according to the following procedure::

Step #1: Replace all the ink bottles in the ink tray with the bottles labeled “Flush A”.

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.

Step #3: Disconnect the tube that is closest to you labeled “INK” from the top of the yellow tank and insert it into the small hole on the side of the supplied 8 oz bottle (see Figure 1).

Step #4: To drain the first compartment (closer 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 (see Figure 2).

Draw out as much ink as possible and then reattach the feed tube back to the head.

Step#5: Disconnect the feed tube from the middle yellow head and draw out as much ink as possible with 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 1.

Installation Procedure for Installing Hilord Solvent Inks to an Arizona™ Printer - Cont.

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 “Flush A” (see Step #1) and the supply tube is connected to the 8 oz bottle (see Step #3), “Flush A” is being pumped through the yellow line into the 8 oz bottle.



Figure 2.

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 through 7 for all tanks

Step #8: From the Operator menu print several nozzle tests (around 8 nozzle prints), until all heads appear clean.

Step #9: Remove all the bottles labeled “Flush A” from the ink tray and replace them with the bottles labeled “Flush B.”

Repeat Step 2

Repeat Steps 3 to 7 for all tanks

Note: Regarding Step #7, allow the machine to pump 8 to 9 cycles before reconnecting the supply tube.

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

Step #11: Remove all the bottles labeled “Flush B” from the ink tray and replace them with the bottles labeled “Analog.”

Repeat Step 2

Repeat Steps 3 through 7 for all tanks

Note: Regarding Step #7, allow the machine to pump 8 to 9 cycles before reconnecting the supply tube.

Repeat Step 10

Step #13: Remove all the bottles labeled “Analog” from the ink tray and replace them with Hilord Solvent Inks.

Repeat Step 2

Repeat Steps 3 through 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 through 6 for all tanks. Allow the machine to fill the tanks.

Repeat Step 10

You have now successfully installed Hilord Solvent Ink into your Arizona™ Printer.

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