



Hilord Chemical Corporation

Hilord Xpress Graphic Arts Inks

Why convert the Xpress Printer to “Hilord’s” Graphic Arts Inks?

Hilord Inks ensure:

- Provides consistent prints
- 360 dpi color curve gives excellent results
- Color and density consistency between different batches
- Productivity print speeds of up to 12 m/sq per hour
- Four-color process black gives excellent results
- Performs well with a large variety of media

The Xpress large format inkjet printers are designed for medium use production environments and provide exceptional and consistent print quality print after print.

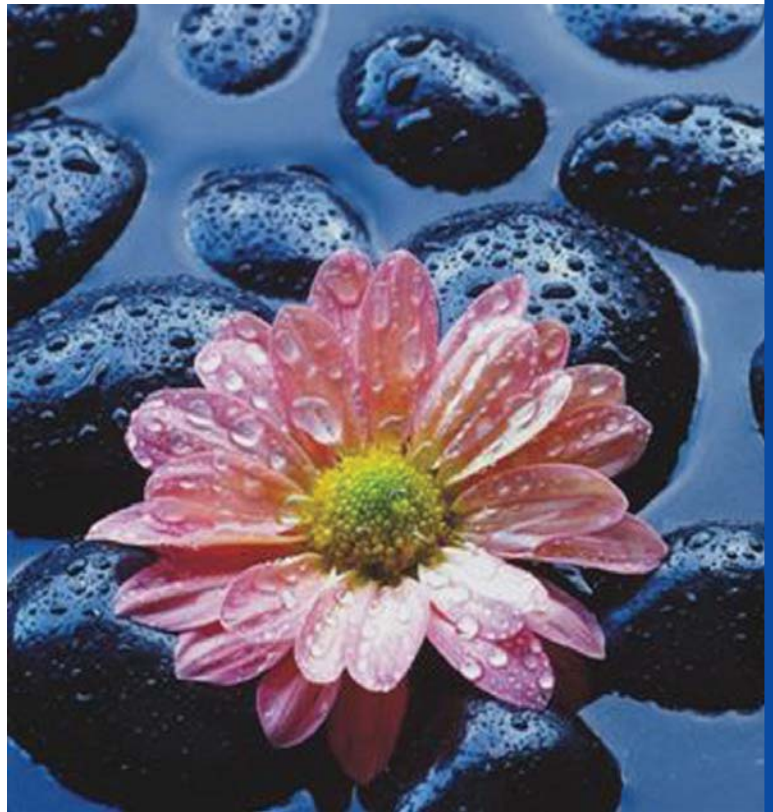
Testing: Hilord controls the following parameters for every lot in order to insure a consistent product:

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



Test Prints using Xpress 360 dpi Coated Media:

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

To Sum Up: Hilord’s matched componet system; color curves, inks, coating and Xpress 360 dpi coated media, keep operation costs at a minimum!

First Time Installation of the Hilord's Xpress Graphic Arts Inks

It is important that the heads on the Xpress printer are capped whenever the machine is not printing. The capping will prevent the ink from drying and clogging the nozzles, which could cause poor image quality. Please check the following printer settings to insure that the heads will be capped in the shortest period of time.

- 1) Enter the main menu by pressing the "Menu" button.
- 2) On the control panel it should now say, "Set". Press this button to enter this menu.
- 3) Scroll through this menu, using the arrow keys (.) until you see the "auto cap" option.
- 4) Push the button next to "auto cap". It should now read "* 1 min".
- 5) If it does not read "* 1 min" go to next step. Otherwise, skip to step eight.
- 6) Set auto cap to one minute by pressing the "+" or "-" button until "1 min" appears on the screen.
- 7) Now press "Enter" to select. It should now read "* 1 min" on the screen.
- 8) Return to the top menu by pushing the up arrow button (.) until the screen says "Ready".

You can now start printing.

It is extremely important to allow the machine to cap before turning it off. To do this, you must wait at least one minute after completing a print before you power the machine off. Otherwise, the heads will be exposed to the air, which could cause permanent damage.

When converting from any other ink to the new Hilord Xpress Graphic Arts Inks use the following procedure:

Step #1: This procedure will replace the old ink with the new black, cyan, magenta, and yellow. Create a 50-inch by 50-inch, 400% 4-color black image and rip in four-color mode. Alternately, you can download this file by clicking here.

Step #2: Remove all four bottles from the ink holders.

Step #3: Print the image in enhanced productivity (2-pass) mode.

Step #4: At this point during the first print, you will encounter an "ink out" error. If this does not occur, repeat **Step #3**. At this time, install the new Hilord Xpress Graphic Arts bottle into the ink holder of the appropriate color. Press firmly to ensure that the insert is secured to the ink holder. Press indicated button on the Xpress printer panel to reset. Allow the Xpress printer to replenish with the new Hilord Xpress Graphic Arts Inks and then continue to print.

Step #5: When the print completes, perform a standard maintenance.

Step #6: Do this for the remaining bottles of ink when prompted with an "ink out" error.

Step #7: Repeat **Steps 2 through 6** a total of 4 times.

Step #8: Next, you need to create a new image in order to install the light cyan and light magenta. Create another 50-inch by 50-inch light blue image to completely remove the old ink. However, this time the file needs to be 50% cyan and 50% magenta, ripped in 6-color mode. Alternately, you can download this file by clicking here.

Step #9: Set up to run in enhanced productivity (2-pass) mode and insert the new bottles when you come across the "ink out" error as in **Step #3**.

Step #10: When all images are completed, perform a "Normal Maintenance" (refer to Xpress manual).

Step #11: Repeat **Steps 9 and 10** four times

Step #12: Print a nozzle test pattern (refer to Xpress manual). Check for nozzle misfires. If there are any deviations in the nozzle print, repeat **Step #7** until satisfactory print is obtained. This should not take more than two or three repetitions.

You have now successfully installed Hilord Xpress Graphic Arts Inks.

Xpress Printer Maintenance

Daily maintenance is not required for the Xpress printer. The Xpress printer can be set to automatically perform maintenance before starting to print.

However, to achieve optimum print quality it is recommended that before submitting any jobs to the Xpress printer:

- Load 360 dpi presentation paper.
- Print the "Color Test 2.eps" file four times at 100%, 360 dpi, to ensure that all print heads are functioning.
- All test prints should be sent with Multimagic Off, so that the printer can run a cleaning routine as necessary between prints.

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 Xpress printer with Xpress 360 coated Media. Hilord inks are guaranteed to be stable and usable 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.

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