

DTX P-T

DIGITAL TEXTURING PHOTO TOOL

Stretchable Photo Tool for In-House Positive and Negative Creation

INTRODUCING DTX P-T

DTX P-T is an IKONICS Imaging - Industrial Solutions inkjet media engineered for the creation of super-quality film positives for liquid photoresist applications. DTX P-T enables mechanical textures to be applied to contoured mold surfaces without the inherent issues of seams in geometric patterns.



www.ikonics.com

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PREPARE ARTWORK FOR OUTPUT

Remember, the quality of your digital artwork will determine the quality of your positive/negative. Artwork should have smooth lines and edges and be of adequate resolution. A minimum of 720 dpi is recommended (1440 dpi or higher for line art).

LOAD THE FILM INTO THE PRINTER

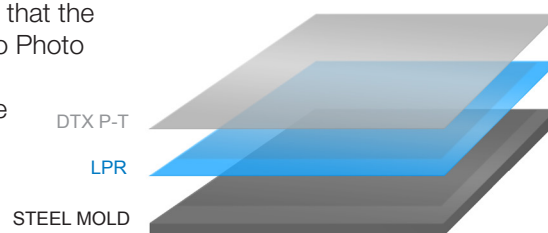
It is important to load the printer so that the coated side of the film will be face-up under the print head. Most printers require the film to be loaded coated side down in the printer tray. As the film is fed through the printer, the coated side will face upward to receive the ink. If your printer loads from the back or if you are using rolls, the film should be loaded with the coated side facing up. To assist in determining the proper print side, the coated print side of the film has a slightly duller appearance.

DTX P-T CONSTRUCTION

CHECK PRINTER SETTINGS

Make sure printer is set for the highest resolution and print quality. Note that the higher the resolution, the slower the print. Next, set the Media Setting to Photo Quality Glossy Film (if an option, otherwise choose similar film or transparency setting). Options will vary based on printer and software available. Then, set ink deposit for optimum results.

TIP: Experiment with the setting options available with your printer to determine the best set-up for your requirements. If positive seems light or lacks density, try increasing the print quality or amount of ink deposit.



PRINT

These inkjet films dry quickly. With most inks, the positive will be dry and ready for use in less than 2 minutes. DTX P-T is not water resistant (DO NOT apply tape to the emulsion side of the film) and may take longer to dry, especially in areas with high humidity. Drying times will vary based on printers, inks and conditions. Note: Always make sure positive is completely dry before using. Transfer or marring of image can occur if used before completely dry.

PLEASE NOTE: DTX P-T is designed to work with standard aqueous inkjet printers. Results will vary based on printer used, type of ink, software and artwork quality. Generally, printers with higher resolution capability will yield better looking positives. But remember, image quality depends the most on having quality artwork with adequate resolution and smooth line edges. As with any digital media, experimentation is necessary to determine the proper equipment settings to achieve desired results.

SPRAY WITH ADHESIVE

Spray adhesive on printed side of film (3M Spray Mount adhesive recommended). After Liquid PhotoResist (LPR) is applied, remove carrier and apply DTX P-T to the surface of the mold. After exposure, DTX P-T can be peeled from the surface.