

Plastic Printing Tips - Dry Toner

- **Material Preparation:** Ensure that the Dry Toner plastic media is properly prepared. Remove the top sheet and clean the edges to remove any dust or contaminants that might affect print quality. Dry Toner substrates require a primer or print treatment to improve toner adhesion.
- **Substrate Settings:** Enter the correct substrate settings in the Dry Toner press. This includes the sheet dimensions, thickness, GSM, print speed and type of substrate.
- **Pressroom Humidity:** Maintain the pressroom relative humidity at 35% - 50%.
- **Static Control:** Deliver and stack the sheets in small lifts to help eliminate static. Let the plastic substrate cool before handling and jogging. Anti-static devices can be mounted on the press to help. StopStatic.com is a good source for inexpensive static control devices.
- **Keep Ink Densities Low:** Less than 300 total density is recommended, which will help with static control and the potential for toner scratching.
- **Fuser Care:** Regularly check and maintain the fuser. Make sure that it is operating functionally.
- **Use Approved Substrates:** Make sure that the substrate is an approved material for your Dry Toner press. The OEM should have an approved substrate list that certifies compatibility and optimal print quality.
- **Cleaning and Maintenance:** Regularly clean the sensors and other components using lint-free wipes with IPA. Increase the print cleaner frequency for high coverage jobs.

Care of Material

- **Conditioning/Handling:** Condition the stock in the pressroom environment for at least 24-48 hours to minimize static and ensure proper toner adhesion. Handle material with clean gloves to avoid contamination and make sure that material is cut square.
- **Static Removal:** Wipe down the sides of the material with a damp cloth to remove any static-attracted dust. If you are running pressure sensitive media, check the sides for adhesive ooze and remove if present.
- **Print Testing:** Run a print trial of each lot to determine material printability and toner adhesion. Do not open every wrapped package until you are satisfied with the results of the print test. Open material is not returnable.
- **Storage:** Store Dry Toner plastic substrates in a controlled environment of 60°F to 75°F to prevent dust, curling or other damage. Re-package in original boxes or plastic bags and avoid storing in direct sunlight.