

Print-Rite DTF pigment ink---User manual

Recommended printhead and mainboard for printer integrator

Printhead: EPSON 4720/I3200/XP600

Recommended mainboard supplier: Hoson/BYHX

1. Compatible substrate

Cotton, cotton polyester blend, leather, etc. Print on a flat and steady platen

2. Operating environment

Temperature: 15-30 °C , humidity: 50-80%. It is recommended to let the product reach operative conditions in terms of temperature and humidity at least 24 hours prior to use and apply the product under controlled conditions

3. Storage of ink

Ink must be stored in clean and dry place with controlled temperature between 5 °C – 30 °C, relative humidity 40-80%

4. Storage of PET film

PET film must be stored in clean and dry place with controlled temperature between 5 °C – 30 °C, relative humidity 40-80%. Shelf life is 12 months if stored under recommended conditions, for best printing results, use up PET film soonest possible after opening the package, films must be tightly packed to guard against damp

5. Recommended setting of shaker/oven dryer

Temperature of front tray 40-90°C, the inner temperature of oven dryer is 130-145°C, the baking times depend on printing speed and condition of melting adhesive powder (usually cure for 3-5 minutes)

6. Requirement on graphic image

The graphic itself should be top notch, good resolution (300dpi)

7. Transfer the print to the garment

Press for 8-15 seconds at 150-170°C.

The most suitable time setting in actual end uses may slightly differ, depending upon the particular conditions of use, equipment, substrates and other supplies

If using a heat press, cover the film with protection paper prior pressing it.

Allow 20 seconds for the garment to cool down, before peeling the DTF transfer film off.

Can we tear off the transferred image and use on another garment again?

NO, the print are transferred on garment in high temperature

The color of garment floating/mixing on the transferred area when using with some polyester fabric

Almost all polyester fabrics are dyed with disperse dyes, the dye molecule will sublimate again and float to the surface at high temperature, mixing with DTF ink. We suggest you to have a pretreatment process, spray the Sublimation-Proof Binder before transferring onto the garment

other FAQ

Reasons of tension crack, defective plating, poor color fastness, cease / wrinkle after washing, Cracking of graphic and Cease / wrinkle after washing: Insufficient powders on the printed area and powders are not melted well to acts as an adhesive to attach the image to the garment

Defective plating: Printer's setting, image resolution and the incompliance of film

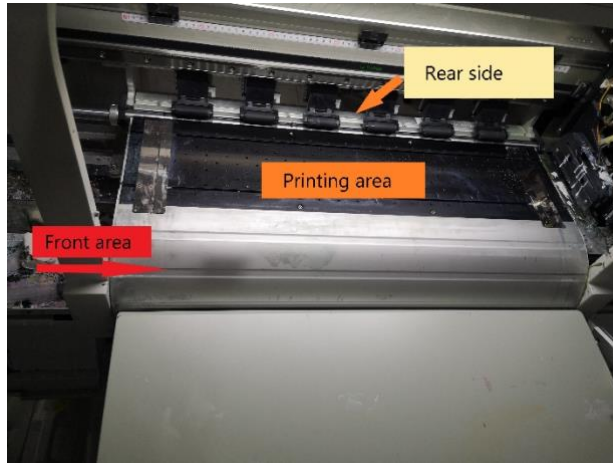
Poor color fastness: the thickness of film's coating and if inks are thoroughly dry out in oven dryer

8. Ink is leaking or running after printed on film

1. The coating of film is not thick enough to handle/absorb all the ink jetted from printer
2. The jetting volume from printhead to large for the film
3. The film is not compatible with ink.

9. Suggestion on printer's maintenance

- Make sure capping station maintained properly, the cap creates a nice seal against the print head. Make sure head is wet capped when the machine is turned off or ink would settle in the printer when not in use and over time cause clogging or poor print performance of the print head.
- PET film must be held in flat and wrinkleless when runs in take up roller system, avoid the ridge substrate that could contact printhead, when printer detected printhead collision, stop printing and run the nozzle check, make sure printhead is fine and cleaned properly before production.
- We suggest you not to heat up platen/printing area, in most case, the starter setting on front/rear heater is around 45 degree Celsius, if insist to turn on the heater on platen, temperature should be lower than 25-30 degree Celsius. High temperature on platen would make your printhead turns dry, shorten printhead life and cause clogging.



Remember to check if white ink circulate and swirl system is functioning, we suggest you to run nozzle check twice a day before on/off duty to find and deal with abnormality in time.