



Silver DTF Film

Printing & Application Guide

1. Scope

This procedure is used for Silver DTF films with a foil layer on designed artwork on final substrates.

2. Printing guide

2.1 Change the printer to "WHITE" layer MODE. Therefore, only white ink is printed on the printing side.

Normally ticking out the CMYK layer box on client software might work. Please save the setting before moving forward.

2.2 Load the silver DTF film rolls or place the silver DTF film sheet on the printer magazine, ensuring the printing surface faces up (matt side). Otherwise, the inks will not adhere properly to the films.

Please handle the sheet format films with a clean & flat board to prevent creases on the foils.

2.3 Turn on the vacuum to keep the film flat while printing to prevent film block or scratching the print heads.

For 50um thickness, the minimum gear will work. A high vacuum will chock the film transmission during printing.

2.4 Start initial printing & check whether the shapes of the prints are OK or not.

Some ink formulas will lead to ink spreading quickly. Suggest turning on the platform heating to 40-50°C.

That might help to have a better shape. Check if DTF powder can still adhere to the white layers to find your best settings.

Double confirm that the paper bobbins at the end of the line were flat & clean, and the tension force sensor works well to prevent creases/cracking on printed films.

REMARKS: Other settings were aligned with regular DTF films.

2.5 Please confirm the hot melt powder sintering completely, and the benchmark was the powder change into transparent pastes from semi-transparent particles. Otherwise, you need to transfer fabrics correctly.

3. Application guide

3.1 Suggest using 140°C, 8S, 2.5Bar to apply silver DTF hot seals on garments, as the high temperature would lead to the saw tooth. Please pre-heat the fabric for Autumn/Winter season garments.

3.2 Always cold peel the films when hot seals achieve room temperature. Usually, Silver DTF temperature recovery will be quicker than regular films; 15-20 Seconds should be fine.

3.3 Quickly tear off the films (from random corners), any stop might leave a matt mark on prints, and it's not a film quality issue.

3.4 Please only double press artworks already applied on garments. Contact MAX DTF technical team on how to remove the DTF prints if required.

3.5 The minimum line weight range was 2mm; too many curved artworks design or light line weight and gradient points might lead to some areas needing to display correctly (extra foil resides on prints). If you have to, please use a brush to clean the foils (easily removed).

4. Storage condition

4.1 Suggest temperature:18-38°C, Humidity 30-55%.

4.2 Please make sure the new films are wrapped with soft materials before being put on shelves and prevent exposure to water, direct sunshine & high humidity/temperatures. The shelf life was one year since the DOM date and three months for an unsealed film (make sure it's sealed again after 1st usage.). Always test the unsealed films before bulk production.