

GRAPHTEC

DTF
DIRECT TO FILM



FC9000 SERIES



CUTTING DTF MATERIAL

The Graphtec FC9000 Series is your cutting solution for Direct-to-Film (DTF) media.

This comprehensive tech sheet provides important setup instructions, optimal settings, and tips to ensure a seamless cutting experience with this groundbreaking media.

*Important: FC9000 Firmware Update Required for DTF Film Cutting

To access and use the **Film mode** option under the **CONDITION** button on your Graphtec FC9000 cutter, ensure that the machine is running the latest firmware version.

If your cutting is running an earlier firmware version, the Film mode option may not be available. Before proceeding with the DTF film cutting instructions, verify your cutter's firmware version and update it to the latest version if necessary.

Once the firmware update is complete, you can access the Film mode option and continue with the DTF film cutting setup.



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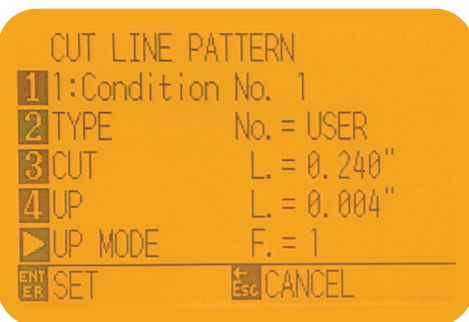
Blade Loupe PM-CT-001

BLADE SETTINGS

Blade: CB09UB - **Sharp Blade Recommended**
Blade Length: 2nd line on blade loupe



DEMO VIDEO



CONDITIONS

- Speed: 15
- Force: 14 to 15
- Acceleration: 2
- Film Mode/1 ON

CUT LINE PATTERN:
USER

- Cut: .240in
- UP: .002 to .004
- Up Mode: 1

MENU

1 TOOL:

- Moving Speed: 10cm/s
- Media/Auto Pre-feed/ON/Feed Length (Pre-feed Optional), it adds slack, or add manually

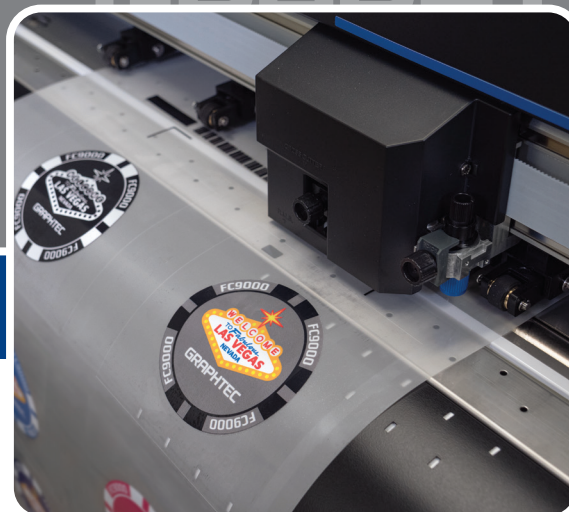


DEMO VIDEO



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ABOUT DTF MATERIALS

3 types of DTF Materials: Cold DTF, Hot DTF and Double-Sided DTF

Materials all feel the same in texture and weight, but transparencies vary.

COLD DTF

- Gives better results with vibrant prints
- Requires a waiting period after garment is pressed to cool down before peeling.
- Film material is a transparent frost.

HOT DTF

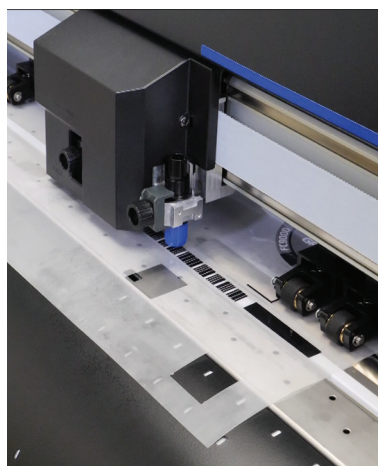
- Faster solution no waiting period before peeling film from fabric.
- Print colors are less vibrant than Cold DTF.
- Film material is more transparent than the others.

DOUBLE-SIDE DTF

- Double-sided material has better traction, less drifting vs single sided.
- Film material is a transparent frost.



DTF CUTTING TIPS and TRICKS



- Familiarize yourself with each type of DTF Media by cutting a section without prints and adjust settings as needed.
- DTF material will only perforate accurately over the Teflon cutting strip covered with adhesive white vinyl. Cutting over the channel will eventually cause the material to buckle up or jam.
- Speed should be set at 15, but can be increased depending on size and length.
- Scan Mode 1 setting will depend on the film. Adjust Level may vary but should be set at -25 for HOT DTF
- When using CuttingMaster 5 plugin, set the Cut Plot Feature to cut counter-clockwise. This mode setting will help minimize bunching or buckling of the DTF media.