



# Textile Foil

## Rollfeed Vinyl Cutter / Paper

**Bernice Schopf**  
bschopf@argohs.net  
Argo Community High School



Textile foil adds an exciting and unique dimension to apparel decorating that cannot be duplicated using other decorating methods. Textile foils come in a convenient 12" wide x 25 foot roll and in a wide range of colors and styles. Textile foils do not have an adhesive layer of their own. It can be applied using a cuttable glue or a screen printing adhesive. There are over 100 colors and styles.

**This will focus on adhesive vinyl and laser toner.**



### Textile Foil Characteristics

Soft touch to the hand

Limited stretchability

Must be applied with a separate adhesive

Roll size: 12" x 25 ft. (many rolls may be as wide as 12.5")

You will need a vinyl cutter. Some popular brands are Roland and Graphtec. You can also use a hobby cutter such as a Silhouette or Cricut. Price ranges are based on the size of the vinyl cutter that will meet your needs best.

\* I have a Graphtec FC8000-60 24"



Roland | \$499 – \$1,795



Graphtec | \$1,195 - \$6,895



Cricut | \$299.99



Silhouette | \$249.95

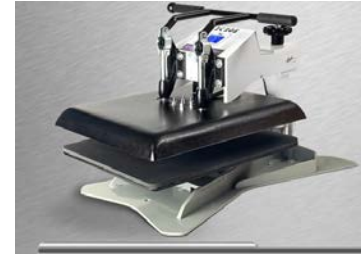
Any design that is vinyl cut needs to be a vector file. Adobe Illustrator is a great vector program that will work with Graphtec and Roland with added plug-ins that work directly from the program. You could also use CorelDraw. Silhouette and Cricut have their own design software.



In order for textile foil to transfer, it needs to be applied with heat. For flat substrates, use a heat press. Hotronix and Geo Knight are good brands. For low cost budgets, you can use an iron. If you are applying foil to a laser printed item that is flat, you can use a small office laminator or a foil fuser.



Hotronix | \$310 - \$2,250



Geo Knight | \$1,300 - \$1,500



Swingline | \$35



Foil Fuser FT-10 | \$2,000

I have the ones pictured:  
Hotronix Fusion  
Geo Knight DK20S

Swingline Thermal Laminator, Inspire Plus, 9"

After the material is cut, the excess material is you don't want to transfer needs to be weeded away. The test probe set / Weeding set and the tweezers are recommended. But other tools can be used.



Harbor Freight | Test Probe Set | \$3



Weeding Tweezers | \$5



Specialty Graphics | Weeding Set | \$15



Sewing Pins | 300 ct. | \$5



X-Acto Knife | \$4

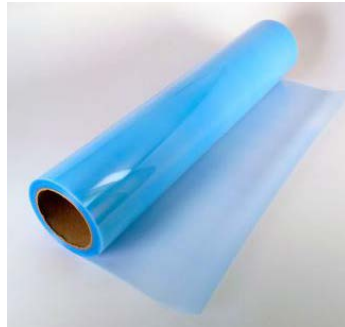
In order for the foil to adhere to the substrate, a vinyl adhesive needs to be cut, weeded, and heat pressed before foil can be applied.

\*I personally like Siser EasyWeed Adhesive Vinyl.

A Teflon cover sheet will keep your heat press clean and prevents fabric scorching.



Siser | \$2.25/foot



HotMelt | \$3.35/foot



Teflon Cover Sheets | \$7 - \$17

### How to Use:

Simply align your vinyl design on the intended apparel and place the heat transfer cover sheet over it. Press according to the heat applied vinyl manufacturer's instructions.

Settings may vary based on blade condition and age of machine. These are only suggested settings. Always perform a test cut prior to cutting designs.

## **Roland GS/GX-24:**

Blade: 45°  
Gram Force: 80-90  
Offset: .250  
Speed: 25-50 cm/s

## **Graphtec:**

Blade: 45°  
Gram Force: 9-10  
Tool: CB09U+0  
Speed: 30 cm/s

## **Silhouette Cameo:**

Blade: Standard, 3  
Material: Heat Transfer, Smooth  
Speed: 8  
Force: 6

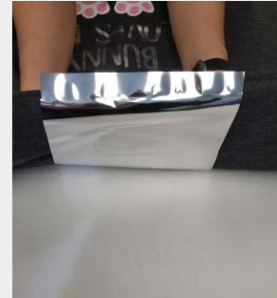
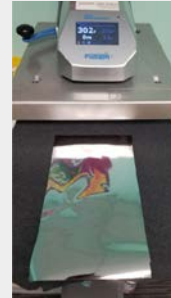
## **Cricut:**

Blade: Standard  
Setting: Iron-On



# HEAT PRESS APPLICATION SETTINGS

1. Create vector design
2. Vinyl cut in reverse (mirrored)
3. Weed excess material
4. Preheat garment for 2-3 seconds (if necessary, for moisture and wrinkle removal)
5. Apply design at 300°F for 5-10 seconds with medium, even pressure
6. Peel carrier hot (close to the substrate)
7. Cut foil to size of design
8. Place foil on top of adhesive (foil color up)
9. Apply foil at 300°F for 10 seconds
10. Peel foil cold (rub foil side down on a cold surface [wall, table, etc.] to speed up the process)



# LAMINATOR APPLICATION SETTINGS

1. Any design can be created; vector or raster
2. Print using a laser printer (preferably on thicker cardstock )
3. Printing in black is recommended, but any color can be used.
4. Cut foil to the size of the design
5. Place foil on top of the design (foil color up)
6. Run it through the laminator with the foil side up
7. Peel foil cold (rub foil side down on a cold surface [wall, table, etc.] to speed up the process)



## Troubleshooting:

**Problem:** Pressed foil has an unintentional pitted surface.

**Fix:** Some foil colors or styles may "pit" slightly when used with cuttable glues. To reduce the pitting effect, increase the heat press temperature to 325° F and increase the foil press time to 60 seconds. All the rest of the instructions remain the same.

## Garment Care Instructions:

Machine wash warm with mild detergent • Dry at normal setting • No chlorine bleach • Suitable for dry cleaning



## Distressed Heat Transfer Foil Method:

1. Crumple foil before applying to the adhesive so that some foil flakes off
2. Apply foil
3. Leave it just as it is or apply a second color over it to fill in the gaps.



[Specialty Graphics Supply](#), St. Charles, IL

[Atlas Screen Supply](#), Schiller Park, IL

[Lawson Screen & Digital Products](#), Saint Louis, MO

[Sign Outlet Store](#), Lisle, IL