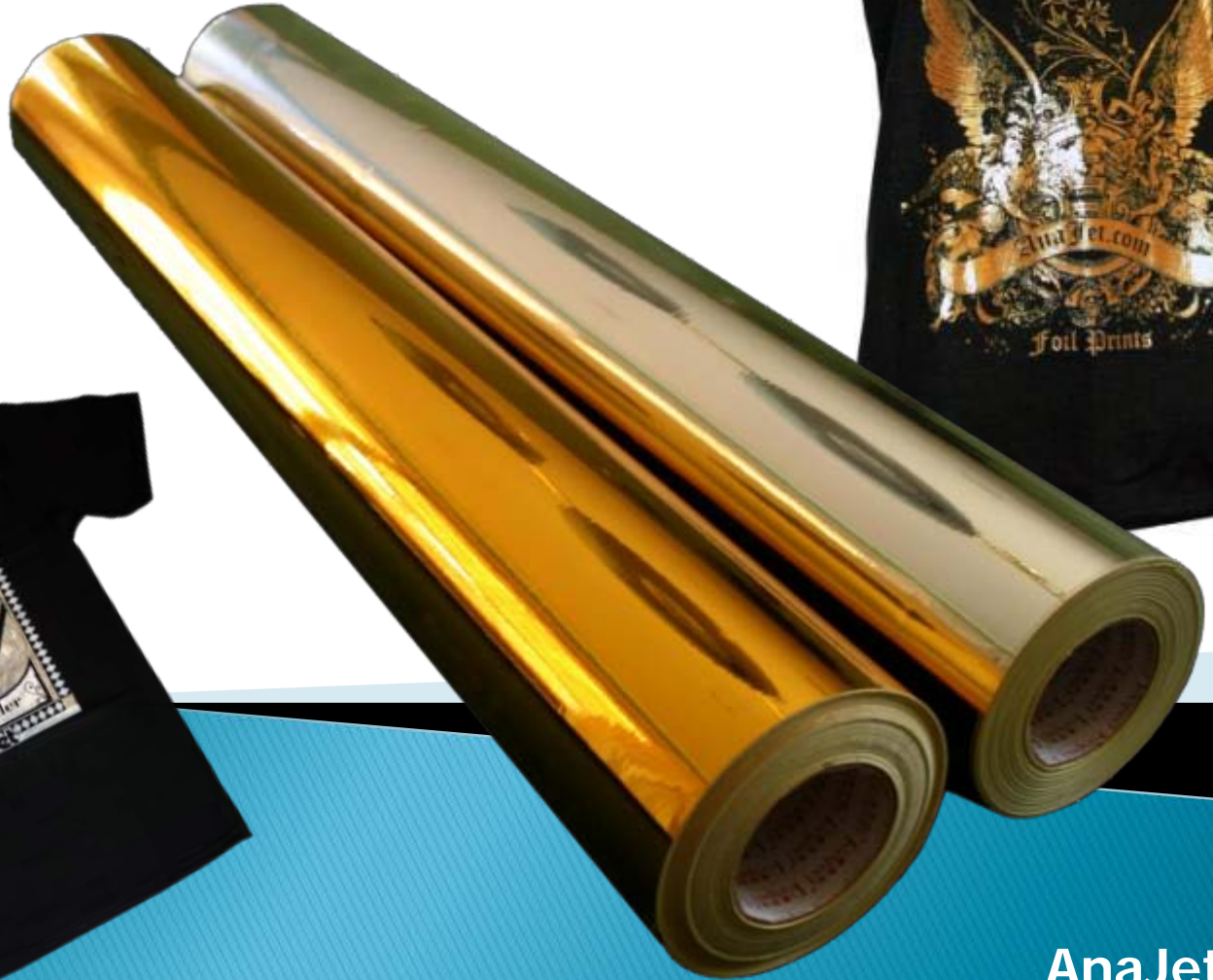


AnaJet®

Webinar Training

Metal Foil Printing



Introduction to Metal Foil Printing

- ▶ The process of metal foil printing is now another way to decorate your garment with Direct-to-Garment printers. The process is quite simple and not much different than printing a dark garment. Metal foil can be purchased from most any screen printing suppliers and is relatively inexpensive. The following steps will provide you with a fantastic looking and wash-fast print. The same process is used for both light and dark garments.
- ▶ The final cost of a foil print is less than a full color print of the same size. The retail price of a garment with foil is \$10.00 to \$15.00 more. Now that's a profit!

What This Webinar Will Cover

- ▶ Graphic set up for basic metal foil printing
- ▶ Garment needs
- ▶ Printer settings for correct amount of ink
- ▶ Application of foil to print
- ▶ Correct heat press settings and curing
- ▶ How to remove the foil after heat pressing to final product
- ▶ Metal foil resources
- ▶ Q&A



Graphic Settings

- ▶ The color of your graphic needs to be the same color as the foil. This is important because the foil is transparent.



**ANAJET FOIL
PRINTS**

Graphic for gold foil



**ANAJET FOIL
PRINTS**

Graphic for red foil

- ▶ Graphic should be good resolution 150-300 DPI.
- ▶ Use simple solid graphics with clean line art, vectors, clip art, solid text. Once you have achieved a good foil print and understand the process you can then begin to experiment with multiple colors.
- ▶ Use graphics with transparent backgrounds.
- ▶ Graphics should always be in RGB color mode.
- ▶ Because the foil is transparent the color under it will have a major effect on the final look. For example: when using gold foil a bright yellow will give you a shiny gold. If you make the color more orange you will achieve more of a bronze gold.



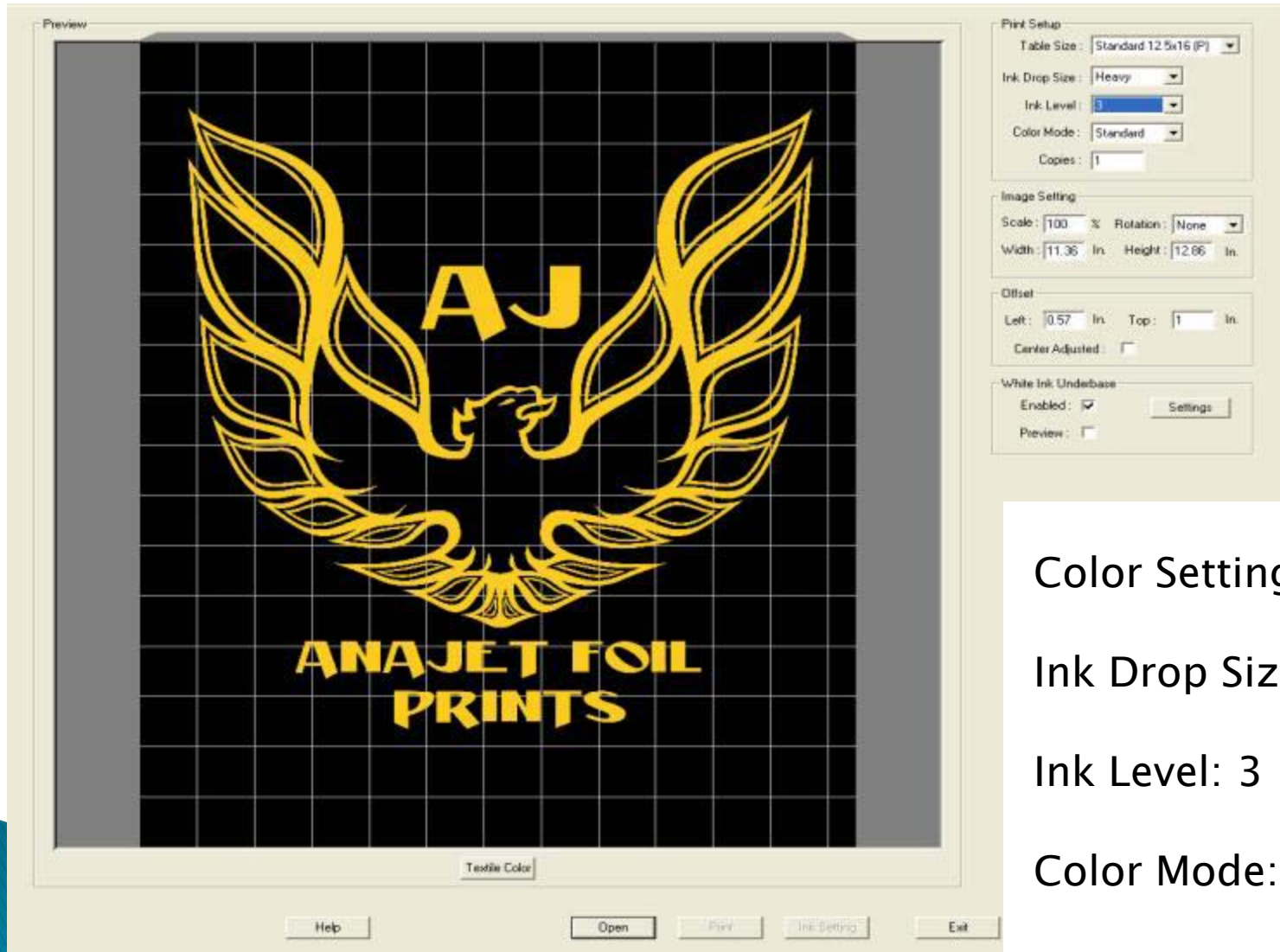
Garment Needs

- ▶ 100 % cotton will give you the best results.
- ▶ No matter what color garment you are printing on you will need to pretreat. Foil needs a small amount of white ink to adhere. Pretreat the garment the same way you would for standard white ink printing. If you want to put foil onto a white shirt it will also need pretreatment.



Printer Settings in EK Print Studio

Color Setting



Color Setting for Foil

Ink Drop Size: Heavy

Ink Level: 3

Color Mode: Standard

White Ink Settings

Black Textile Print Settings

White Base Ink Control

White Drop Size : Medium Content Based :

Level : 1

Contrast : 0

More White Ink Less White Ink

Restore Defaults

High Light Level Control

0

White Mixer

Enable :

Percent : 30

Contrast : 0

Image Background

Color : Black

Transparency

Select Color

Opaque

Red : 0

Green : 0

Blue : 0

Underbase Choke

Level : 10

Bi-Directional Print

Enable :

OK Cancel

White drop Size: Med

Level: 1

Content Based: Off

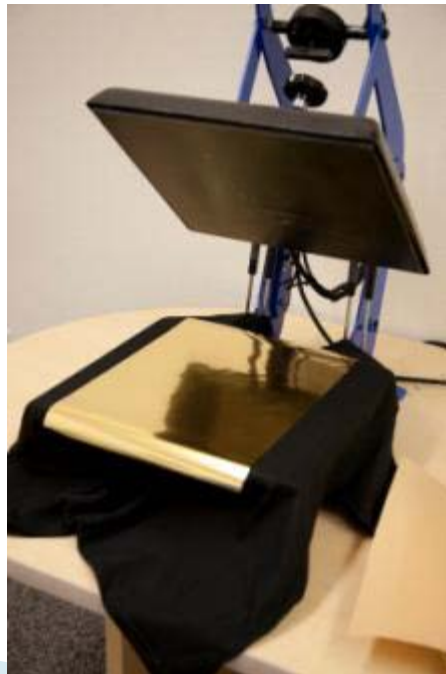
Contrast: 0

Choke: 7-10

It is very important that you do a nozzle check before printing. An even and clean white ink under base is needed for the best foil adhesion

Applying Foil

- ▶ Once you have printed your graphic quickly move it to the heat press.
- ▶ Cut a section of foil from the roll. The foil should be cut so it just covers the entire image.
- ▶ Place the foil on top of the print, foil facing upward.
- ▶ Once the foil is down place a new sheet or parchment paper on top.



Curing with Heat Press

- ▶ Your heat press should be set to the AnaJet standard for white ink. 330° for 90 seconds.
- ▶ Heat press should have a medium clamping force against the garment. If the press clamps down easily the foil may not adhere to the garment.
- ▶ Once the heat press has finished, let it cool down for 30 seconds.



Removing Foil & Final Product

- ▶ Make sure that your foil and garment have now cooled down to the touch. Do not peel off the foil while it is still hot.
- ▶ Grab two corners of the foil and peel it back slowly and evenly.



Final Product



Metal Foil Resources

- ▶ Metal foil is sold in thick sheet and a thin sheet roll. The foil needed is the thin sheet roll.
- ▶ So far we have had the best results using the Crown Roll Leaf, Inc brand foil.

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Resources

- www.mclogan.com
- www.anajet.com/Webinar_Videos/foil-640x360.wmv
- pg@anajet.com