

Supplies

- Brother Stellaire, Luminaire or Aveneer connected to Scan N Cut DX
- Scan N Cut DX
- Standard Cutting Mat and Blade or Vinyl Blade
- Optional Roll Feeder for extra-long designs or Vinyl Kit for Scan N Cut
- Heat Transfer Vinyl
- Small Iron and Teflon Pressing Sheet
- Weeding Tool
- Vinyl
- Transfer Tape
- Alcohol
- Squeegee or Brayer

Instructions

Heat Transfer Vinyl (HTV)

This is a vinyl with a heat-activated adhesive. This product is great for quick no-sew embellishments or adding something extra to embroidery projects. Use it on surfaces that will tolerate the heat of application. (Low temperature HTV is available.) It is ideal for application on most garments, quilts and home décor and does not require stitching to be secure. It will tolerate stitching and can be used in appliqués to add a unique texture. It is available in a variety of textures and types for different applications.

When cutting HTV, keep the following principles in mind. Always test the HTV on a similar material as the project before starting. HTV is attached to the back of a heat tolerant carrier sheet. You can tell HTV from standard vinyl by looking for the plastic carrier sheet by gently peeling at the corner. (Standard press on vinyl will usually have a paper looking backing.) Cut the design with the carrier sheet directly on the cutting mat and cut through only the vinyl. Mirror image the design and choose the half-cut setting on the Scan N Cut. After cutting, weed the vinyl from the back of the carrier sheet. Place the design on the project and apply heat to the carrier sheet to activate the adhesive on the back of the vinyl. Use a press cloth and check the temperature of iron when pressing. Different HTV products will require different heat settings and the recommended temperature is listed on the package or website. After the design has slightly cooled, peel the carrier sheet off. Allow twenty-four hours before laundering item and do not use fabric softener, as it will loosen the adhesive.

Some examples of available HTV types are:

Classic EasyWeed in solid colors and patterns
Glitter, Metallic and Holographic
Reflective, Neon and Glow in the Dark
Clear and Sublimation Printing Ready
Puff, Flock and Soft Texture
Stretch

Hotmark Revolution Low Temp - is soft to the touch and adheres to cotton, polyester, blends, nylon and acrylics. It is lightweight (80 microns) and flexible for stretchy garments.

WALAKut Express – has a matte finish and a sticky liner. Recommended temperature is 250-302 for 5 seconds.

Siser EasyWeed – is available in a wide variety of colors and finishes. Use it on cotton. Polyester, blends, leather and neoprene. Use a medium, even pressure and a temperature of 305 degrees for 10-15 seconds.

ThermoFlex Plus – is available in a wide variety of colors and finishes. Use it on all the above materials plus uncoated polyester, linen, wool, lycra, spandex and poly acrylic blends. Use a temperature of 330 degrees for 15 seconds.

HTV Appliqué

Use the My Connection feature to create a appliqué or create use an existing appliqué. When using HTV as an appliqué, all three parts of a machine appliqué (appliqué material, appliqué position and final stitching) are not required. Only the cutting line is needed to stitch the placement and use as a cutting file for the Scan N Cut. Transfer the design to the Scan N Cut using My Connection or save the design to a USB and insert into Scan N Cut. Open the file and select the appliqué icon (shield) to find the parts of the appliqué. Select the parts of the appliqué and then set to send the cutting outline to the workspace. To cut multiple parts of an appliqué at a time, select Add and open additional parts of the design. An appliqué can include both traditional fabric and HTV, but cut different types of material separately as the cutting depth and settings are different for fabric and HTV. A standard cutting blade and mat work well for this technique.

HTV material is vinyl on a heat-resistant carrier sheet. The carrier sheet acts as a pressing surface to activate the adhesive on the vinyl. Because we want to cut the vinyl and not the top carrier sheet, cut HTV with the carrier sheet side down on the mat and the design mirror imaged. To cut only the vinyl, select the Half Cut option in the Scan N Cut settings menu (looks like a wrench) and “On”. A Scan N Cut equipped with Auto Blade will automatically cut through only half of any material on the mat by touch testing the mat and then the material placed on the mat. (Manually set models without the auto blade by adjusting the cutting depth.) To mirror image any cutting shape, select the shape and object edit. In the object edit menu the mirror image icon is two arrows of different colors pointing towards a center line. For a multi-part appliqué, mirror image all the parts of the appliqué including parts such as circles that look like they might be symmetrical.

Cutting Vinyl on the Scan N Cut

Vinyl has many uses in the sewing room even though it is not usually a permanent part of the finished textile. Use it to create reminder messages, stencils, gift tags, label containers, sewing room décor and much more. Cutting vinyl on the Scan N Cut DX with Auto Blade is a very straightforward process. The only special setting required is selecting the Half Cut option in the settings menu. A standard blade and mat usually work very well for cutting vinyl. Special equipment for cutting vinyl is available such as a special vinyl blade, roll feeder and a vinyl kit that adds special functions for creating large designs with vinyl.

Adhesive vinyl is available in many, many varieties and colors. It is available in rolls and individual sheets. It always is on a carrier sheet to protect the adhesive. The Scan N Cut will cut all types of vinyl regardless of brand. The specific properties of different vinyl brands will be found on the package or brand website. Do your research when using a vinyl for a special project. The following vinyl products are readily available on the internet:

Oracal 651 is easy to work with and budget friendly. It is permanent for most common application surfaces and comes in a wide variety of colors and finishes. It has a solvent-based adhesive. It can be used on curved and corrugated surfaces and has decent durability for short-term (four-years outdoor) use. It can be used both indoors and outdoors. Use it on flat, smooth surfaces like glass, plastic, painted drywall, wood, ceramics, tile and sealed concrete.

Oracal 751 is a more durable vinyl and is formulated to withstand up to 8 years of outdoor use and 10 years of indoor use without fading, cracking or peeling. It has an acrylic-based adhesive that forms a better bond on a wider variety of surfaces. Use it for outdoor signage, vehicle graphics, irregular surfaces (brick walls) and luggage.

Oracal 951 is the choice for durability and longevity. It has a very strong solvent-based acrylic adhesive that adheres well to even challenging surfaces. It is not a low-cost or simple to apply option, so use it only for special projects.

Identify traditional vinyl from HTV by peeling the corner to slightly separate the layers. HTV will have a plastic type carrier sheet on the top and adhesive vinyl will have a paper-like carrier sheet on the back. Use the half cut setting on adhesive vinyl with the vinyl placed carrier sheet toward the mat. When placing the vinyl on the back of glass, such as on the inside of a jar or behind the glass of a picture use edit the shape using mirror image. Mirror image is not necessary for vinyl when placed on top of a surface because it is cut face up on the mat. After cutting the vinyl, use a transfer tape to remove the cut vinyl from the carrier sheet. The transfer tape will stick to the top of the vinyl just enough to hold it in place and allow it to move to the destination surface. Transfer tape needs to be clear and stickier than the carrier sheet but less sticky than the adhesive on the vinyl. If a transfer tape is too sticky,

press it onto a textile briefly to make it slightly fuzzy. Transfer tape can be used multiple times until it will no longer easily adhere to the top of the vinyl.