

Kacia Hosmer

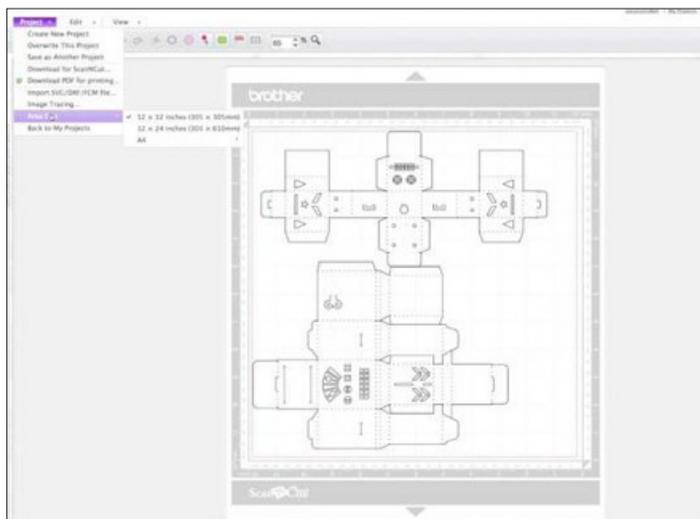
Anyone else love origami and paper models as a kid, or... maybe even still as an adult? (If so, raise your hands.) I love it. And when Brother released a new USB Stick full of various projects (including a robot!), you know I jumped all over that. Today, I want to show you how fun and simple it is to create these little projects, which is a great activity to do with kids as well! Harlow loved helping me, and we have some ideas for other patterns as well. I also want to share how to resize these patterns from one mat to two mats - in this case, going from one 12" x 12" mat to two 12" x 24" mats. Let's jump right into it!

MATERIALS:

Brother ScanNCut Machine, 12" x 24" Cardstock, 12" x 24" Standard Mat, CAUSB4 USB No. 4 3D Paper Craft Pattern Collection, Standard Blade and Gluestick

RESIZING YOUR PATTERNS IN CANVAS

- step 1.** When you open the .FCM file, the pattern pieces will be arranged on the standard 12" x 12" mat. The first thing we will do is change the Area Size to the 12" x 24". Use your "Select" tool (the arrow) to select and group each of the individual pieces together. Determine the rotation (if any) that is needed to fit and resize.



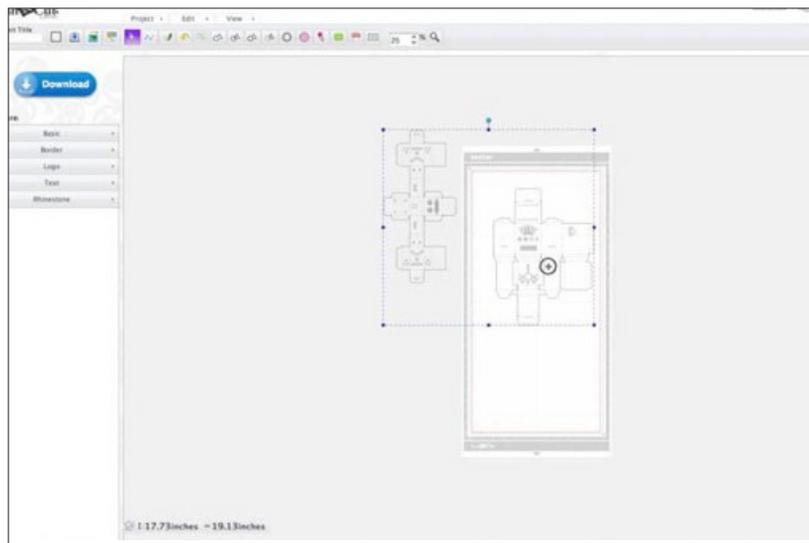
step 2. At this point, group all pieces of the pattern together. Holding the shift key, grab a corner of the selection to resize keeping the aspect ratio the same. The next step is the most critical when you are resizing from one mat to two mats.

Note: In ScanNCutCanvas, you can save a project when the pattern exceeds the mat area, but you cannot download it.

So the process is simple (but it can easily be done wrong!):

1. Name the project for the first mat. (Example: "Robot Piece 1")
2. Move the next piece into place. (This is not necessary, but I do this because it helps me stay organized with multiple pieces!) Then, change the project title name. (Example: "Robot Piece 2") At this point, **save file as another project.**
3. Continue this process for each piece that needs its own mat (or collection of pieces to be placed on one mat). (I like to go back to the "My Projects" page to be sure I've saved each piece correctly.)
4. Open each file and delete the unneeded piece or pieces. Save: **"Overwrite This Project"** and **then download.**

Now the fun part: letting the ScanNCut do its thing to cut out the pattern and then putting it together!



COMPLETE PATTERN

step 1. First, you will transfer your .FCM file via a USB Stick to your ScanNCut machine. My favorite cut settings for cardstock:

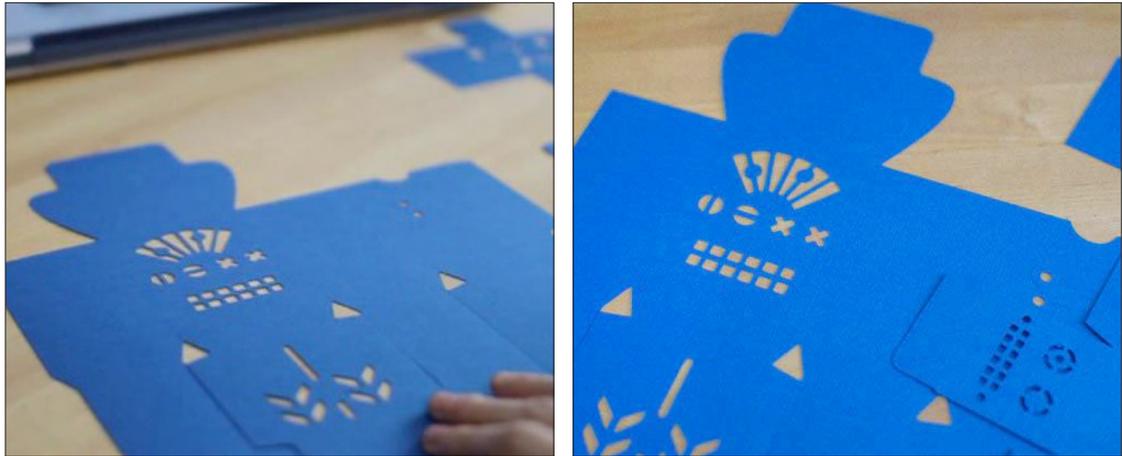
- Speed: 1-3
- Pressure: 0-1
- Blade Depth: 3-5

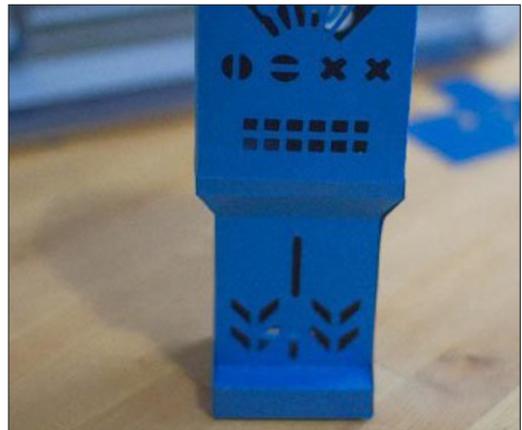
After cutting out the pieces and removing the “negative” pieces of the pattern, remember that a baby wipe (non-alcohol and unscented) is a great way to lengthen the life of your mats! Wipe up the debris left behind, allow it to dry and you are good to go.



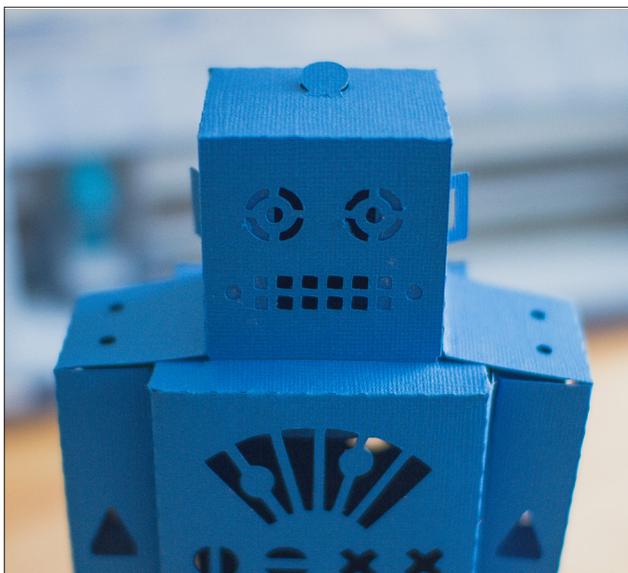
COMPLETE PATTERN

step 2. The trick to completing these patterns is to visualize the direction of the folds via the image of the completed pattern. And guess what? If you fold it the wrong way, the perforated lines are forgiving and you'll know for the next time you put the pattern together!





What supplies do you need? A little bit of patience and a glue stick. (I like to keep the bottom of the robot unglued - you can add a weight or a few washers inside to help it stand a bit more securely that way!)



Just have fun! Harlow and I had a blast making a "baby robot" too!

